

Appendix for WCDMA Band 5

Product Name: TITAN 5400

Model No: G5G-X62O

AppendixA: Average Power Output Data

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	22.92	38.45	PASS
Band5	4182	22.50	38.45	PASS
Band5	4233	22.33	38.45	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	21.88	38.5	PASS
Band5	4132	2	21.24	38.5	PASS
Band5	4132	3	21.34	38.5	PASS
Band5	4132	4	21.40	38.5	PASS
Band5	4182	1	21.52	38.5	PASS
Band5	4182	2	20.89	38.5	PASS
Band5	4182	3	20.93	38.5	PASS
Band5	4182	4	20.95	38.5	PASS
Band5	4233	1	21.51	38.5	PASS
Band5	4233	2	20.78	38.5	PASS
Band5	4233	3	20.78	38.5	PASS
Band5	4233	4	20.96	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	20.40	38.5	PASS
Band5	4132	2	20.43	38.5	PASS
Band5	4132	3	21.06	38.5	PASS
Band5	4132	4	20.62	38.5	PASS
Band5	4132	5	21.05	38.5	PASS
Band5	4182	1	20.74	38.5	PASS
Band5	4182	2	20.73	38.5	PASS
Band5	4182	3	20.72	38.5	PASS
Band5	4182	4	20.22	38.5	PASS
Band5	4182	5	20.67	38.5	PASS
Band5	4233	1	20.68	38.5	PASS
Band5	4233	2	20.68	38.5	PASS
Band5	4233	3	20.64	38.5	PASS
Band5	4233	4	20.40	38.5	PASS
Band5	4233	5	20.60	38.5	PASS

AppendixB:Peak-to-Average Ratio

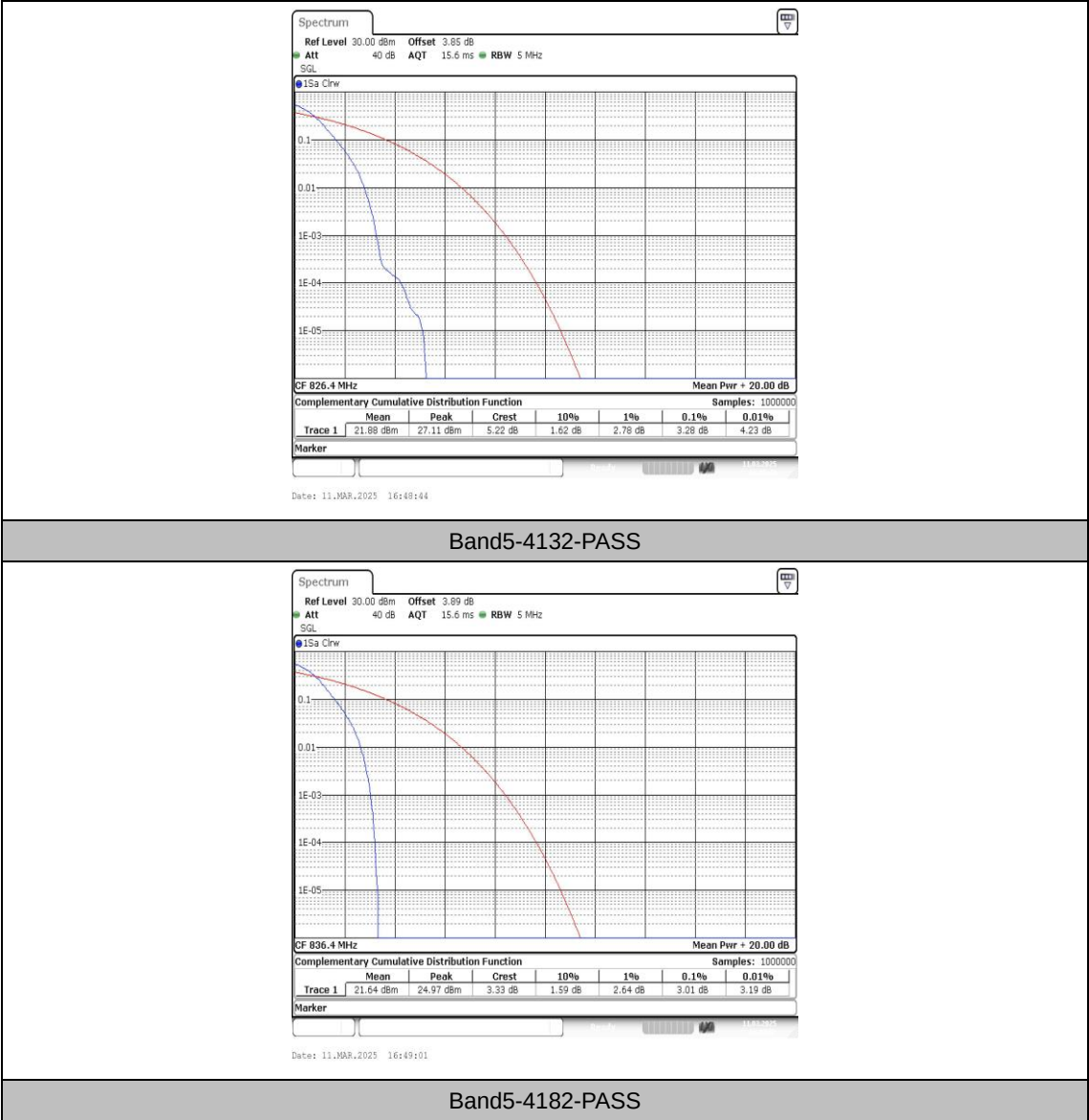
Test Result

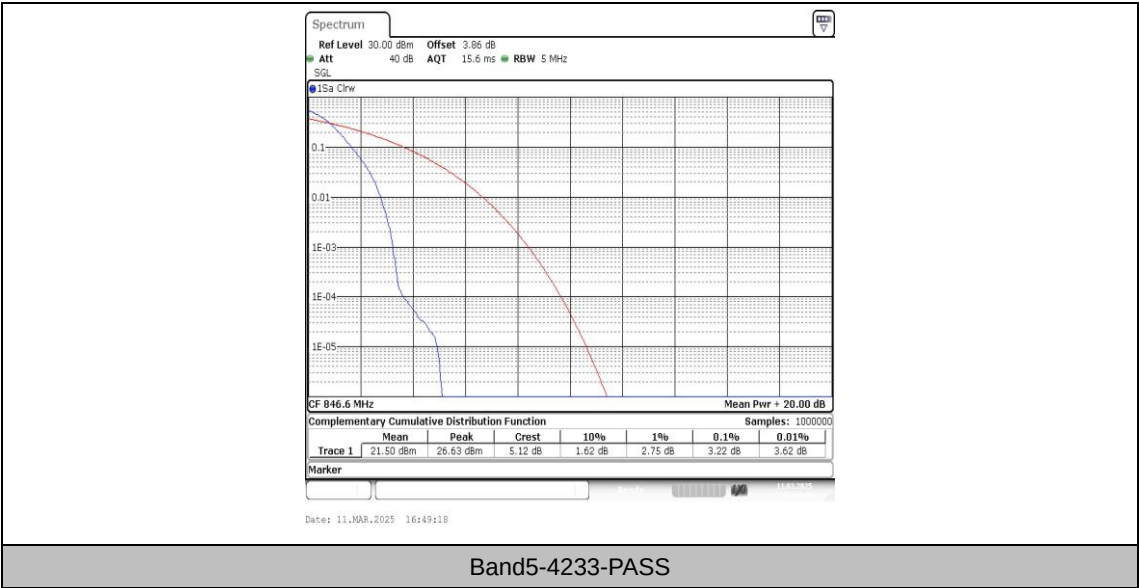
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.28	13	PASS
Band5	4182	3.01	13	PASS
Band5	4233	3.22	13	PASS

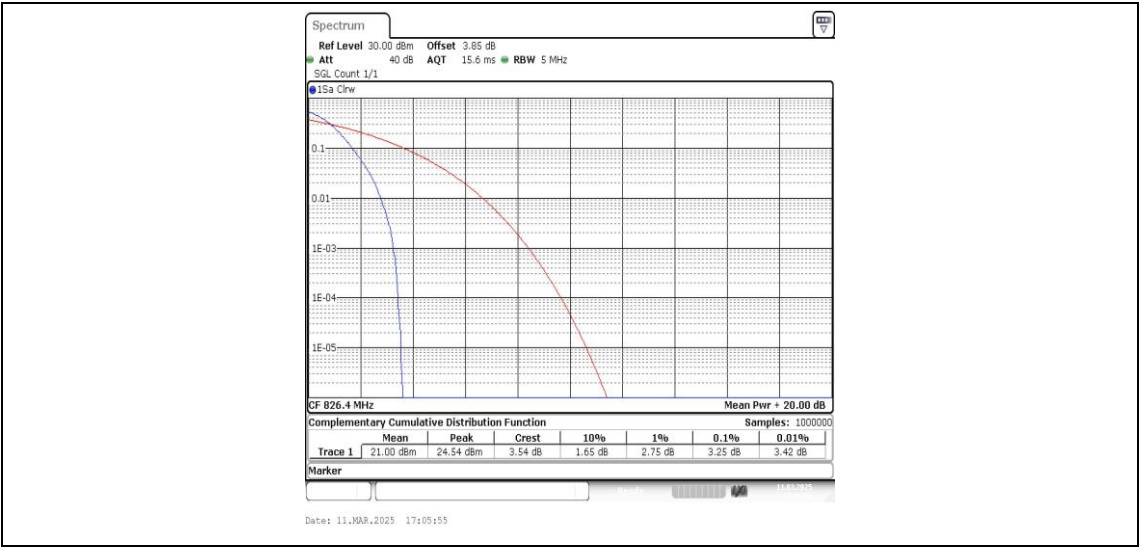
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	3.25	13	PASS
Band5	4132	2	3.51	13	PASS
Band5	4132	3	3.68	13	PASS
Band5	4132	4	3.74	13	PASS
Band5	4182	1	3.16	13	PASS
Band5	4182	2	3.42	13	PASS
Band5	4182	3	3.57	13	PASS
Band5	4182	4	3.62	13	PASS
Band5	4233	1	3.25	13	PASS
Band5	4233	2	3.54	13	PASS
Band5	4233	3	3.77	13	PASS
Band5	4233	4	3.8	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	4.55	13	PASS
Band5	4132	2	5.59	13	PASS
Band5	4132	3	5.13	13	PASS
Band5	4132	4	5.68	13	PASS
Band5	4132	5	4.32	13	PASS
Band5	4182	1	4.46	13	PASS
Band5	4182	2	5.42	13	PASS
Band5	4182	3	4.9	13	PASS
Band5	4182	4	5.51	13	PASS
Band5	4182	5	4.2	13	PASS
Band5	4233	1	4.52	13	PASS
Band5	4233	2	5.57	13	PASS
Band5	4233	3	5.1	13	PASS
Band5	4233	4	5.65	13	PASS
Band5	4233	5	4.35	13	PASS

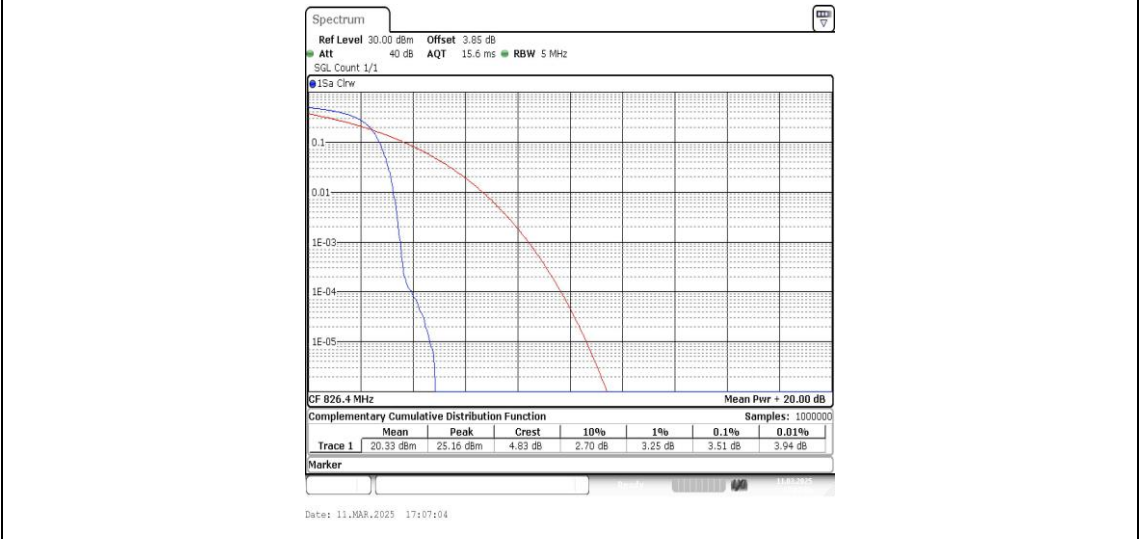
Test Graphs



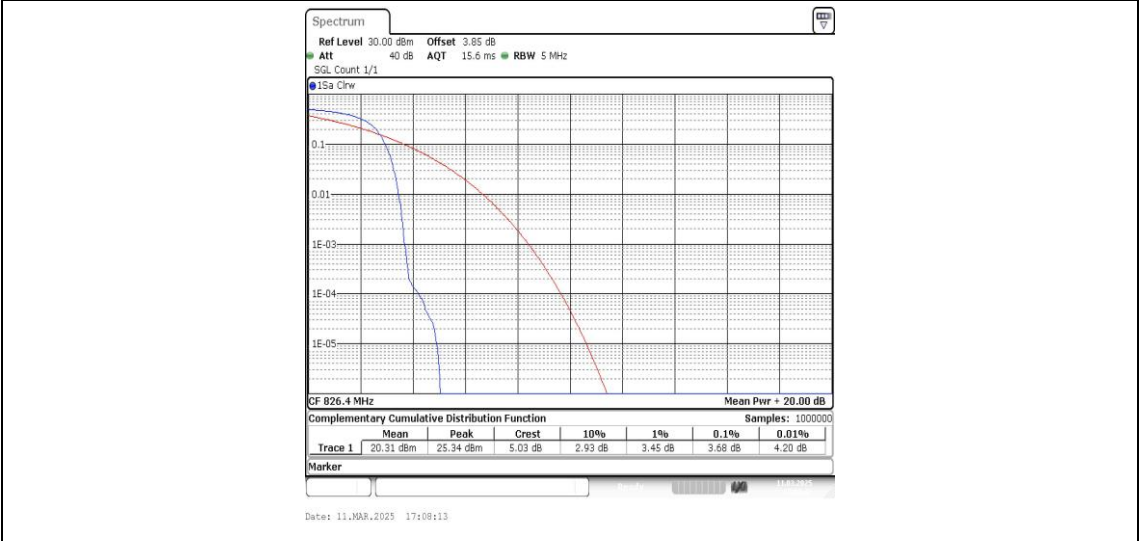




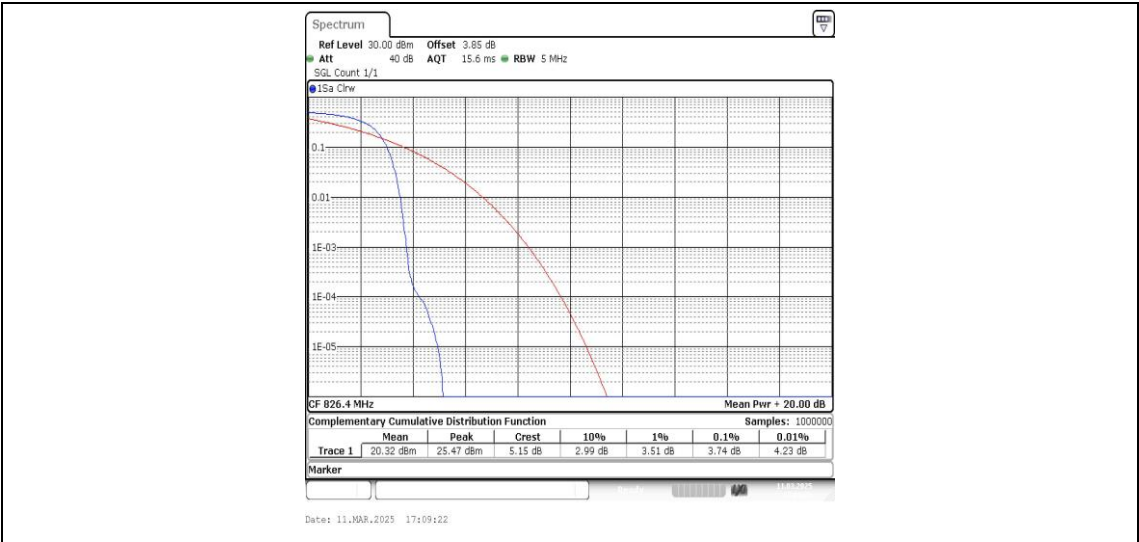
Band5-4132-1-PASS



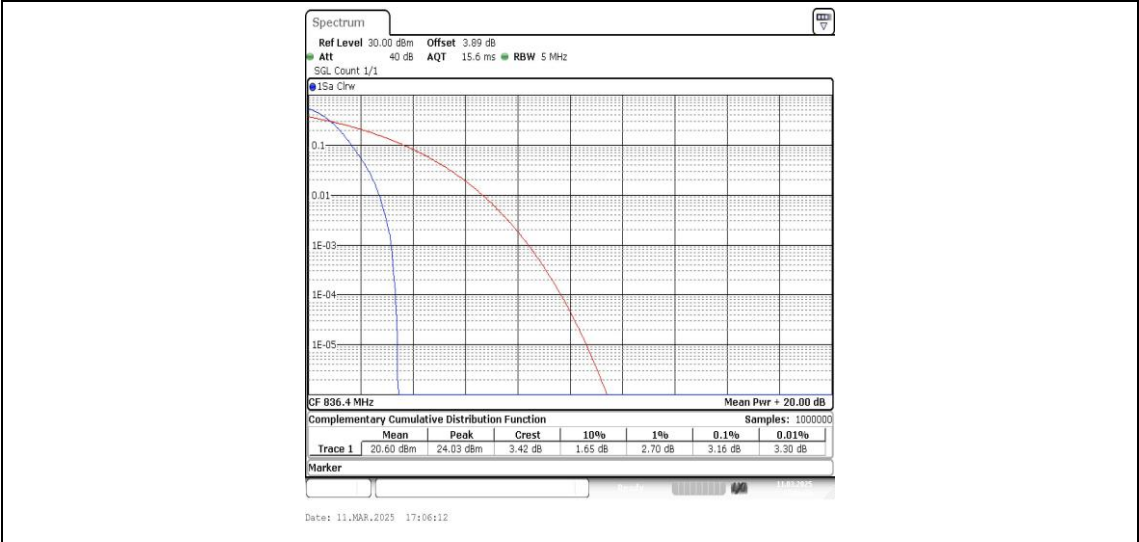
Band5-4132-2-PASS



Band5-4132-3-PASS



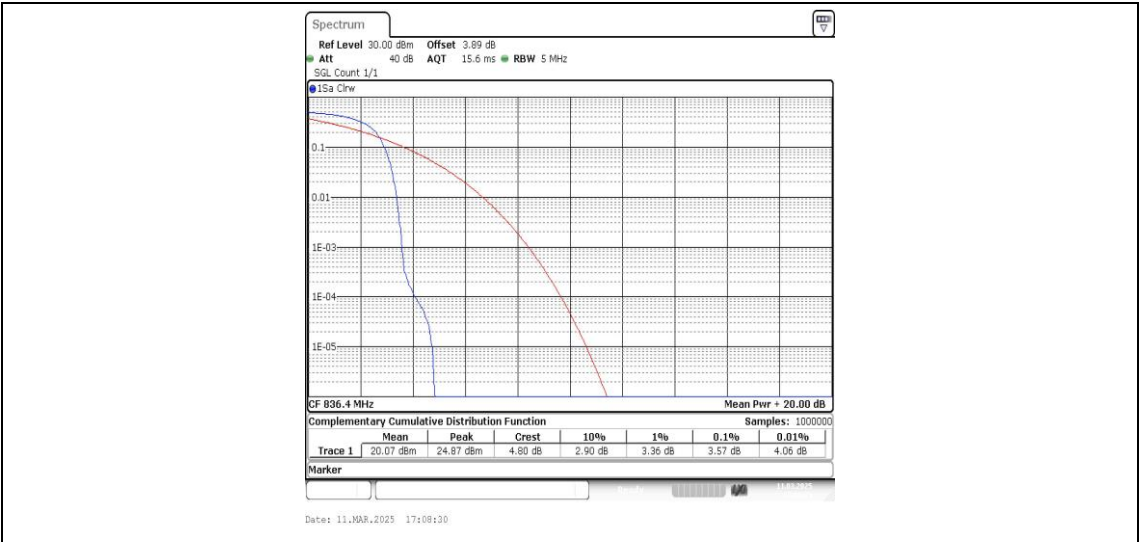
Band5-4132-4-PASS



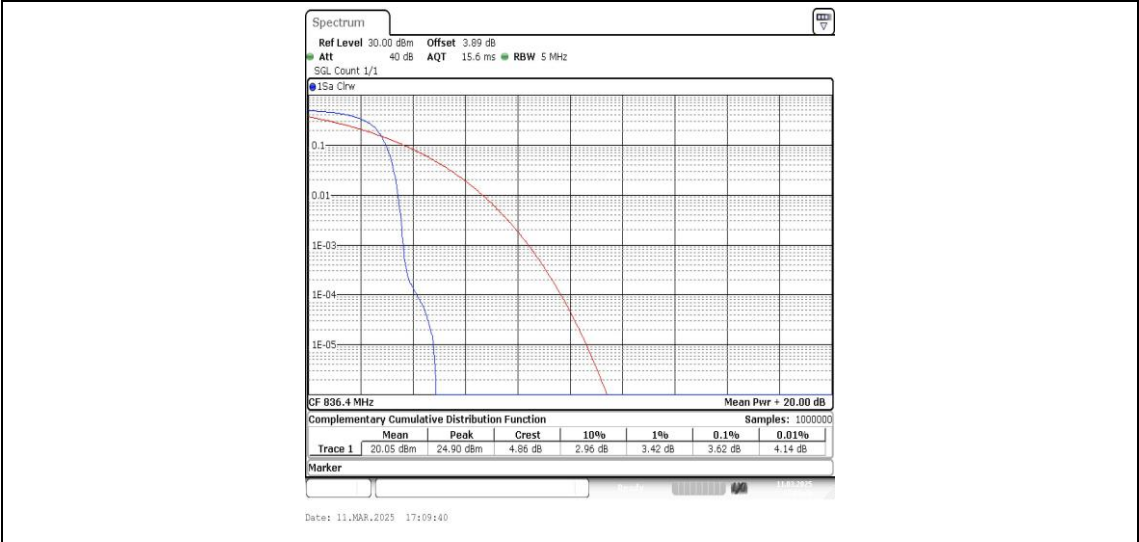
Band5-4182-1-PASS



Band5-4182-2-PASS



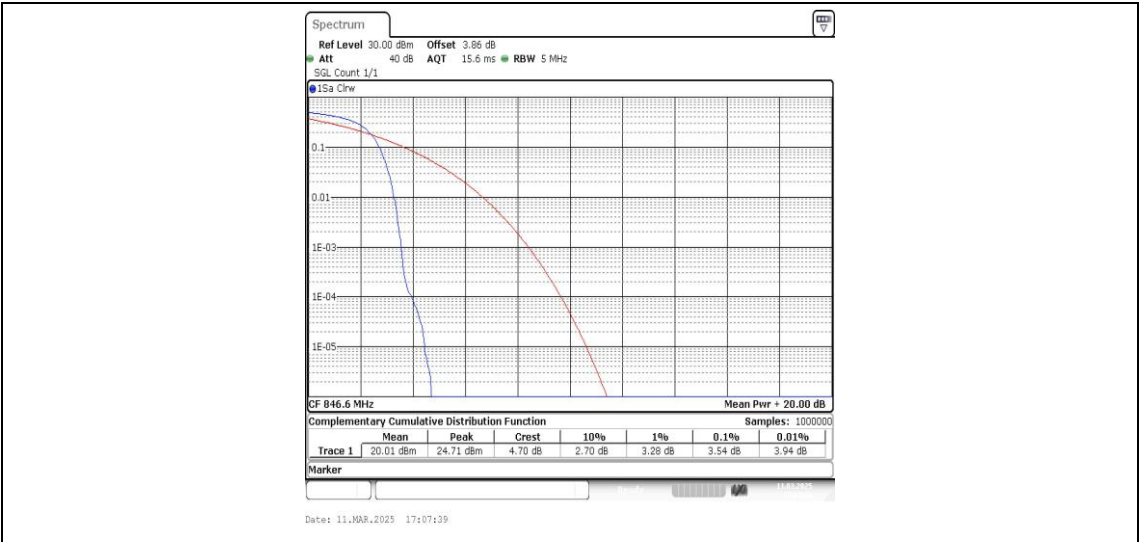
Band5-4182-3-PASS



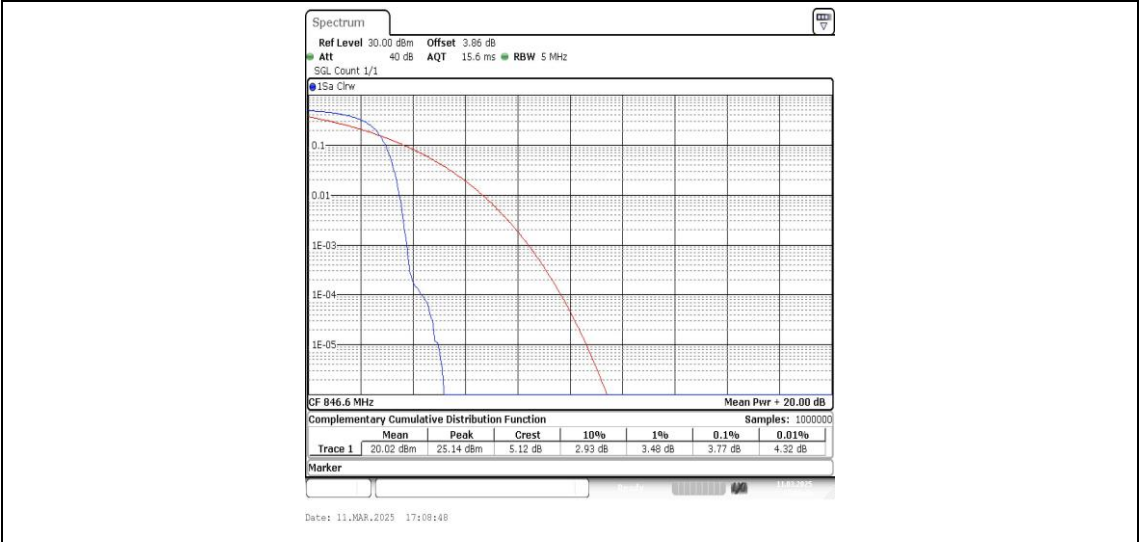
Band5-4182-4-PASS



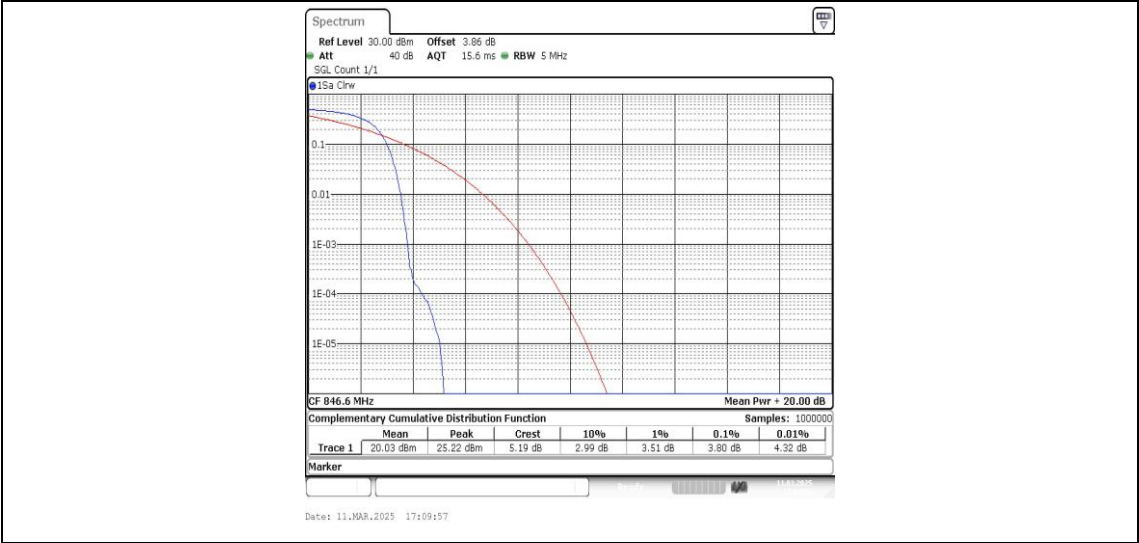
Band5-4233-1-PASS



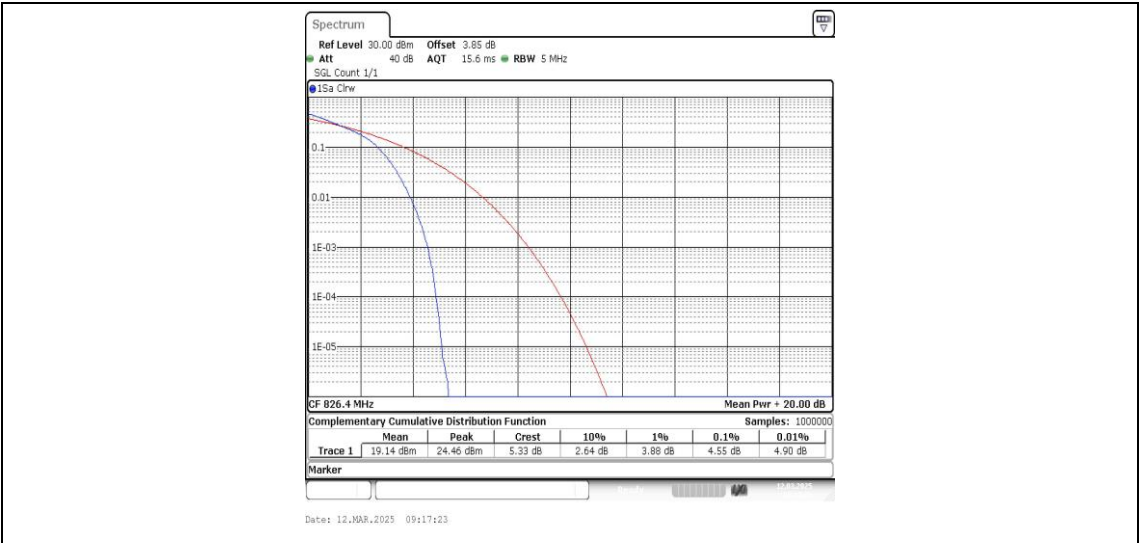
Band5-4233-2-PASS



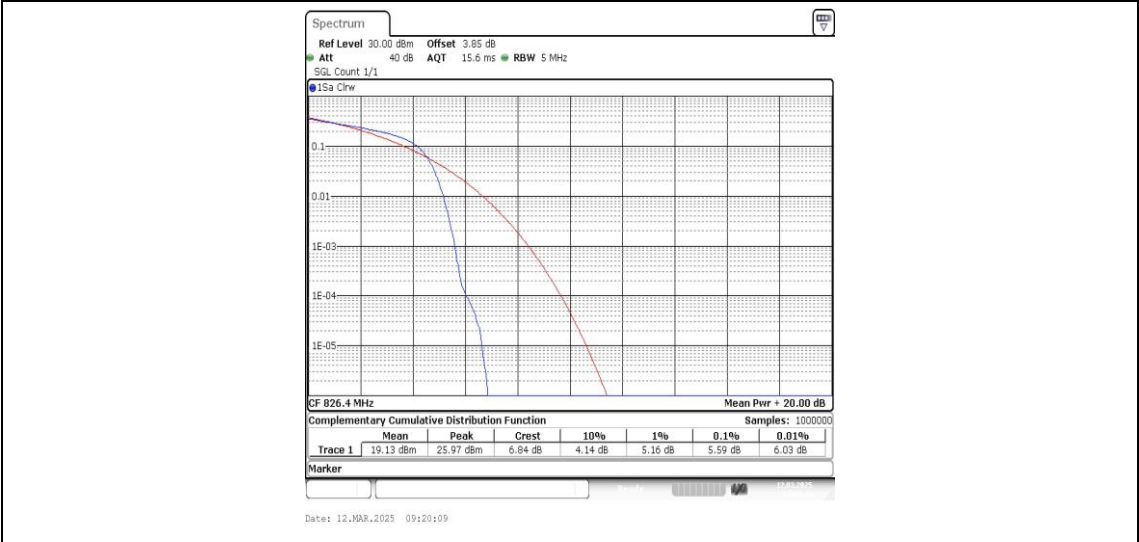
Band5-4233-3-PASS



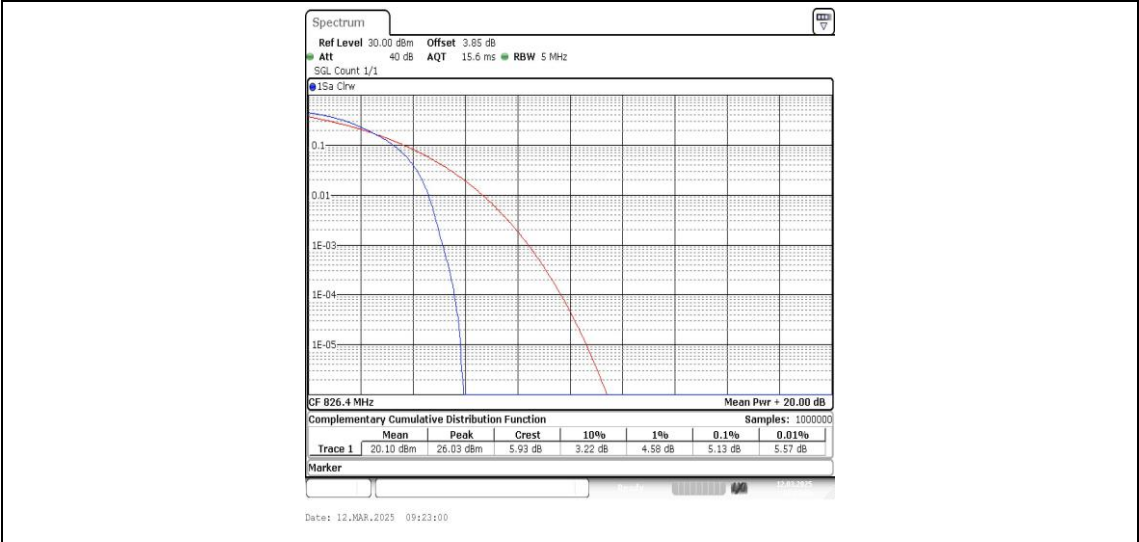
Band5-4233-4-PASS

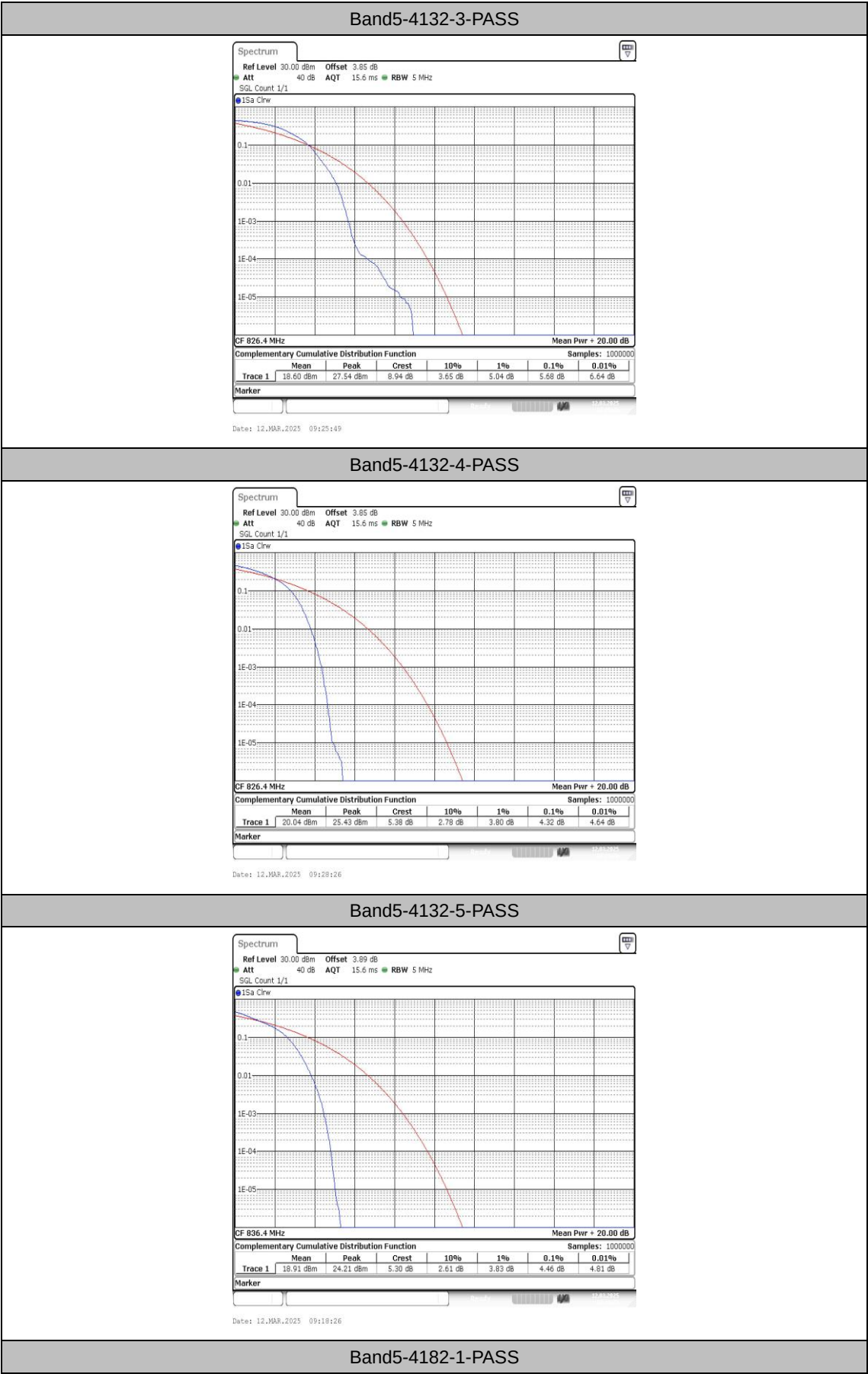


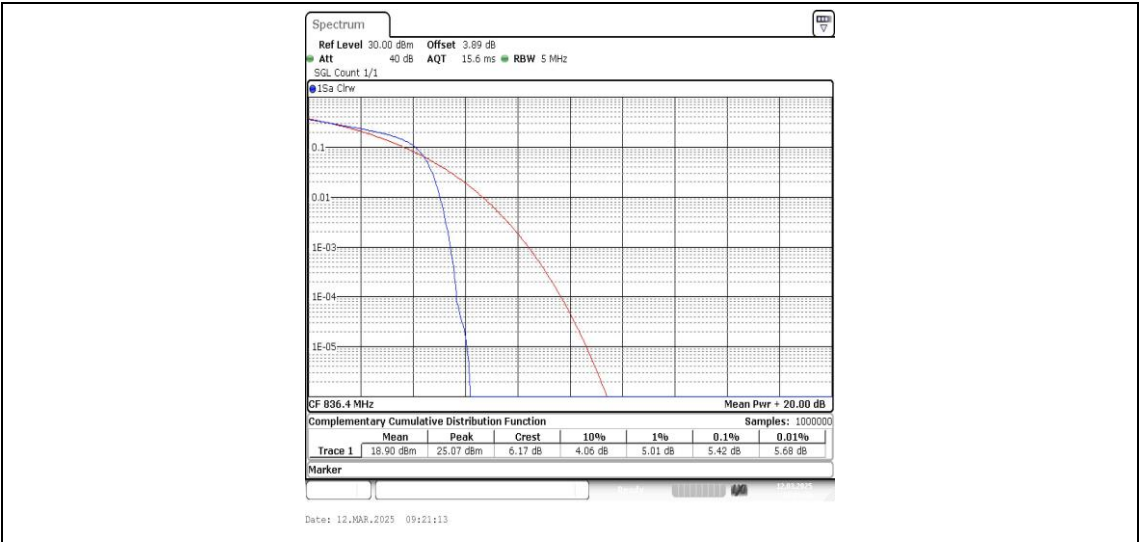
Band5-4132-1-PASS



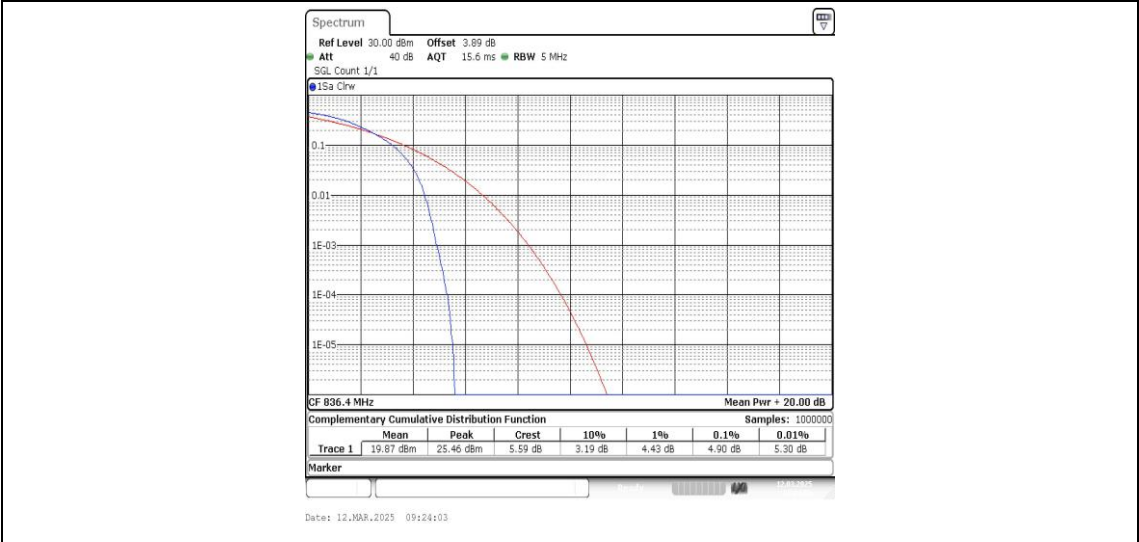
Band5-4132-2-PASS







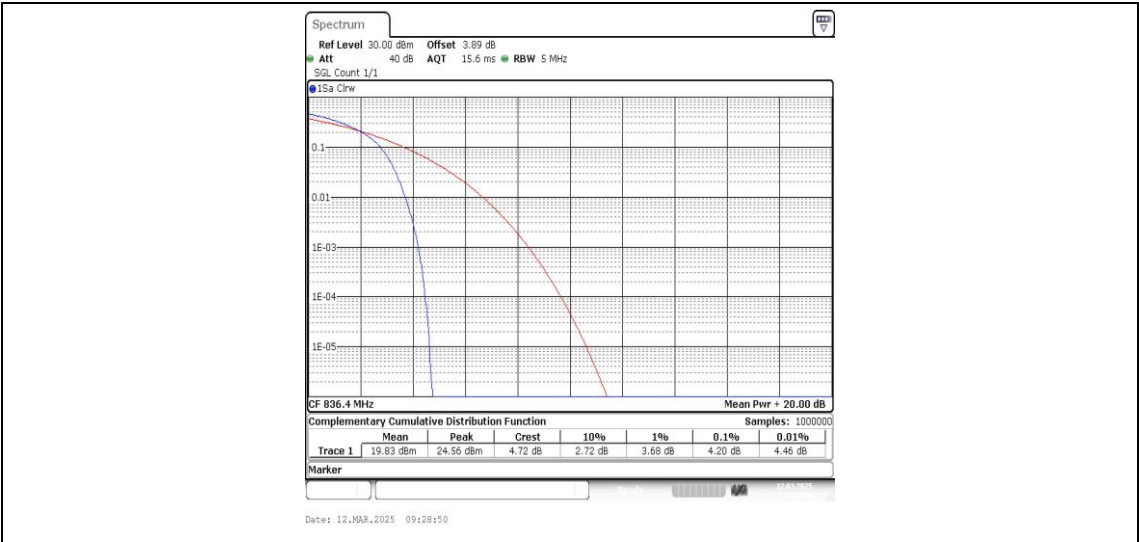
Band5-4182-2-PASS



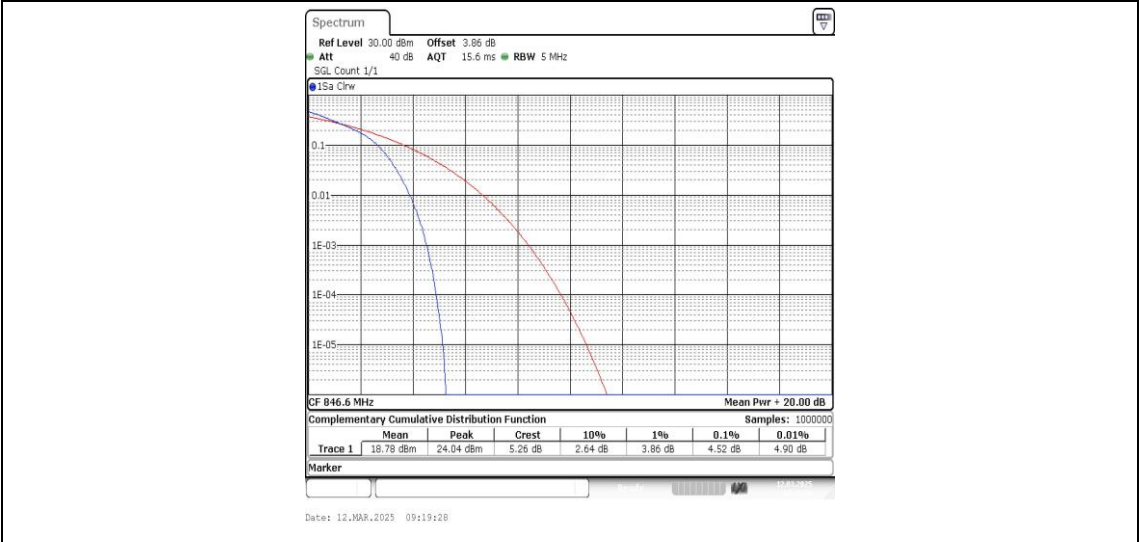
Band5-4182-3-PASS



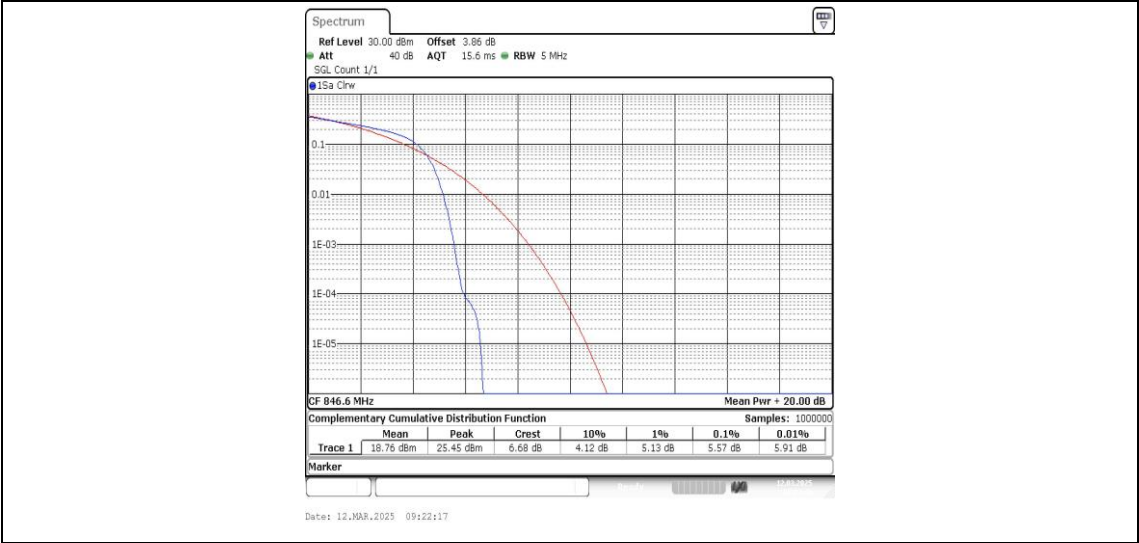
Band5-4182-4-PASS



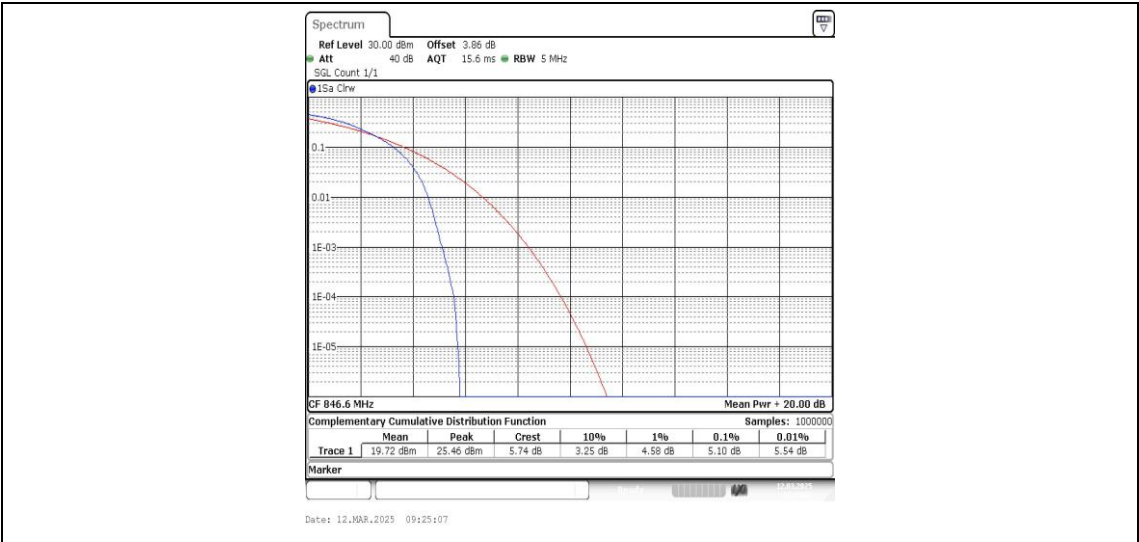
Band5-4182-5-PASS



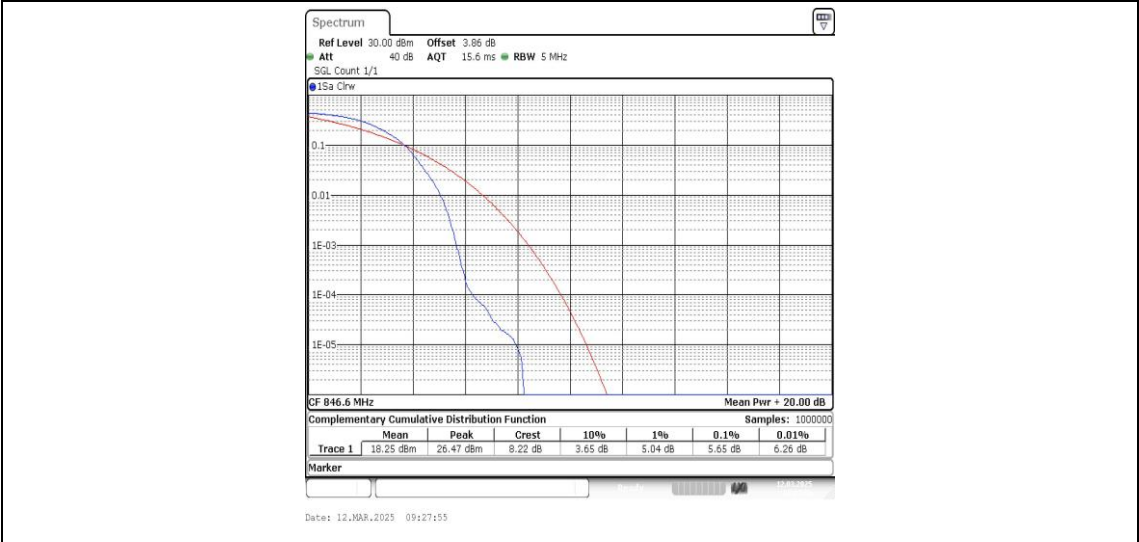
Band5-4233-1-PASS



Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



Band5-4233-5-PASS

AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

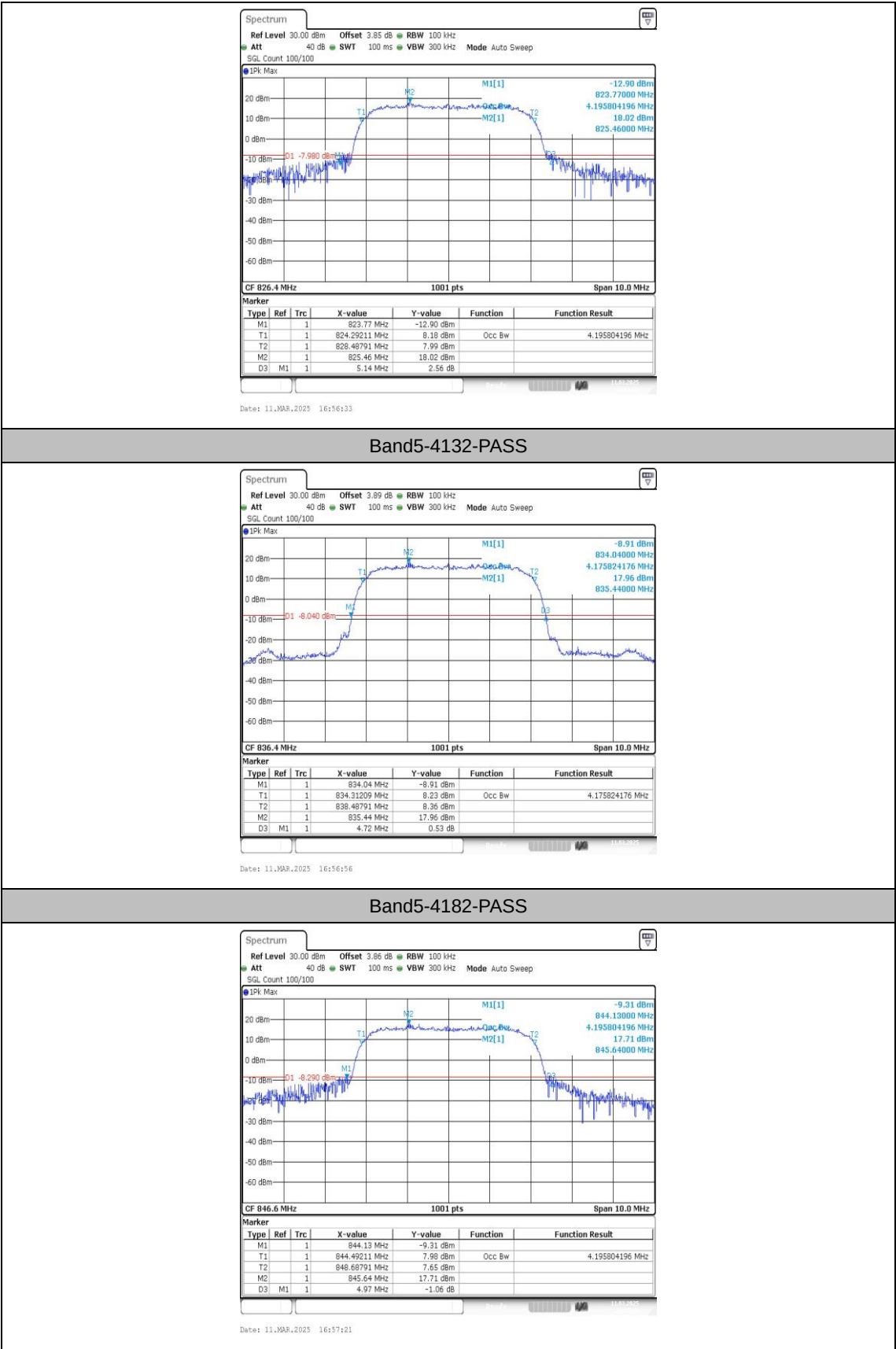
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.196	5.14	---	PASS
Band5	4182	4.176	4.72	---	PASS
Band5	4233	4.196	4.97	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.166	4.73	---	PASS
Band5	4132	2	4.176	4.72	---	PASS
Band5	4132	3	4.176	4.73	---	PASS
Band5	4132	4	4.176	4.73	---	PASS
Band5	4182	1	4.166	4.72	---	PASS
Band5	4182	2	4.166	4.74	---	PASS
Band5	4182	3	4.176	4.73	---	PASS
Band5	4182	4	4.186	4.72	---	PASS
Band5	4233	1	4.176	4.71	---	PASS
Band5	4233	2	4.166	4.71	---	PASS
Band5	4233	3	4.166	4.72	---	PASS
Band5	4233	4	4.166	4.73	---	PASS

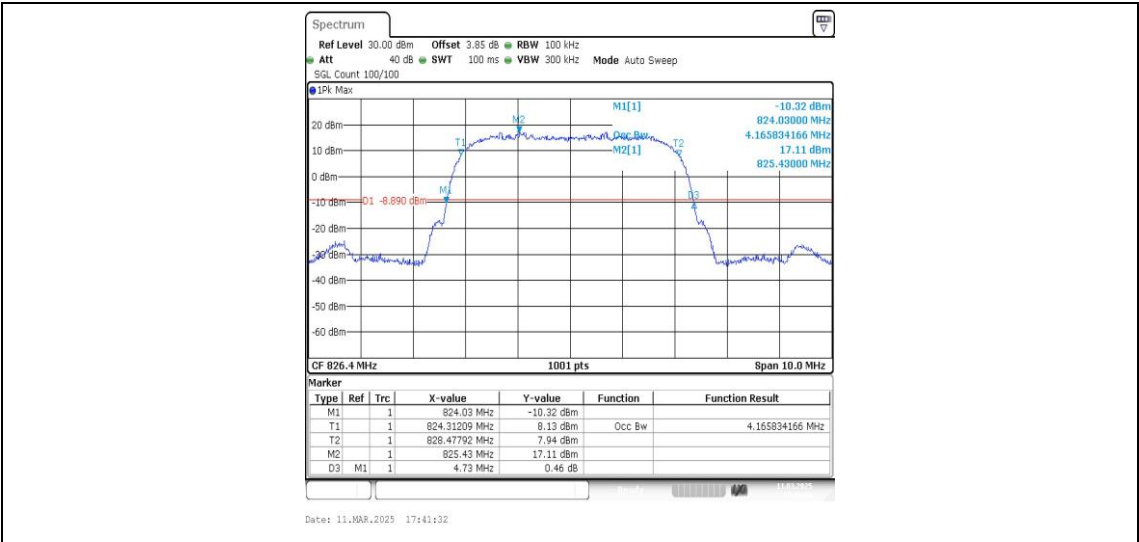
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.196	4.73	---	PASS
Band5	4132	2	4.186	4.74	---	PASS
Band5	4132	3	4.196	4.76	---	PASS
Band5	4132	4	4.216	5.49	---	PASS
Band5	4132	5	4.176	4.73	---	PASS
Band5	4182	1	4.196	4.73	---	PASS
Band5	4182	2	4.216	5.34	---	PASS
Band5	4182	3	4.196	4.75	---	PASS
Band5	4182	4	4.196	4.72	---	PASS
Band5	4182	5	4.166	4.72	---	PASS

Band5	4233	1	4.196	4.74	---	PASS
Band5	4233	2	4.196	4.73	---	PASS
Band5	4233	3	4.196	4.73	---	PASS
Band5	4233	4	4.216	5.60	---	PASS
Band5	4233	5	4.176	4.73	---	PASS

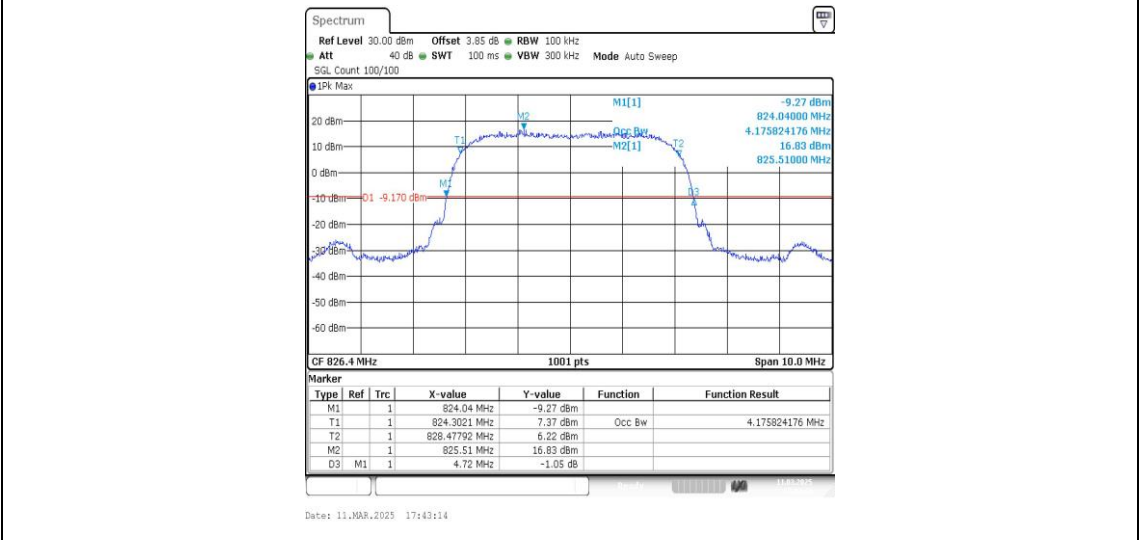
Test Graphs



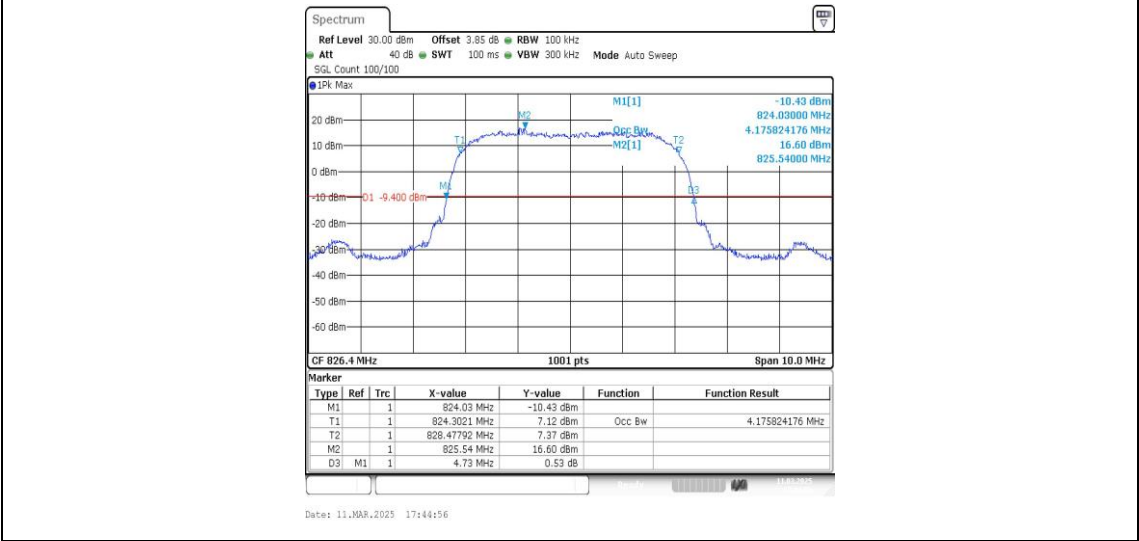
Band5-4233-PASS



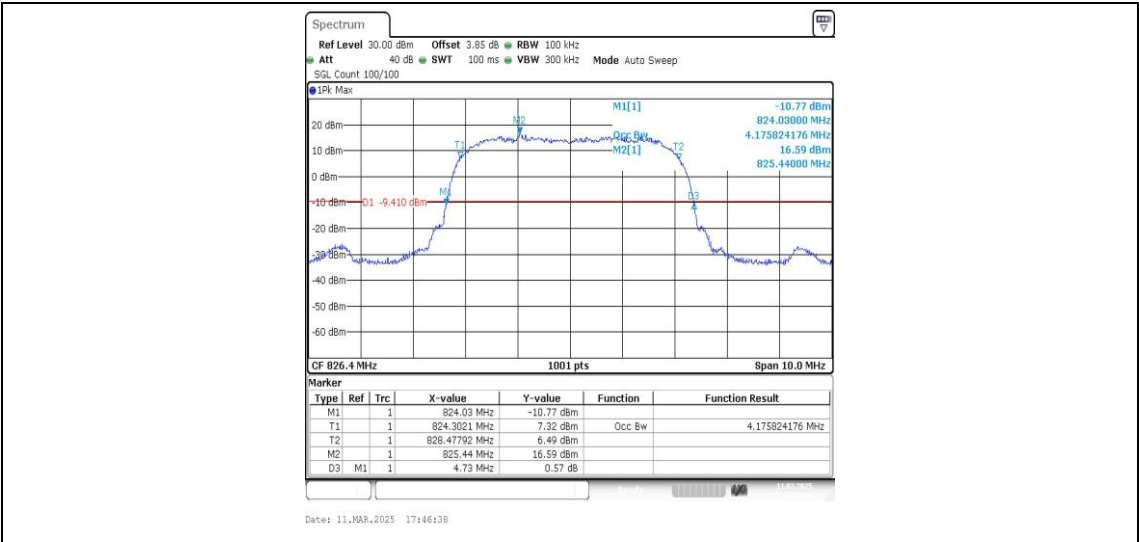
Band5-4132-1-PASS



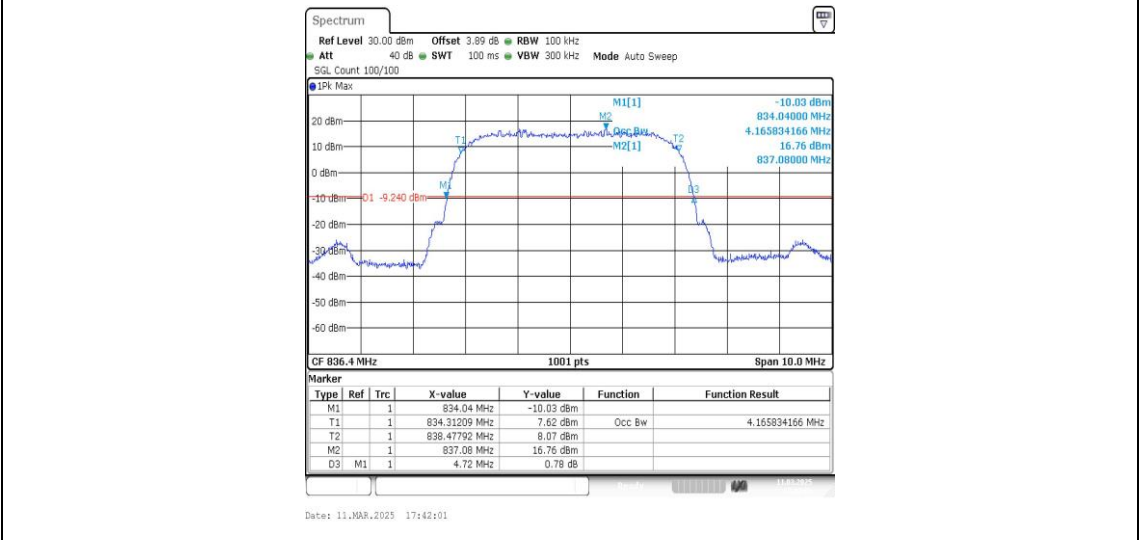
Band5-4132-2-PASS



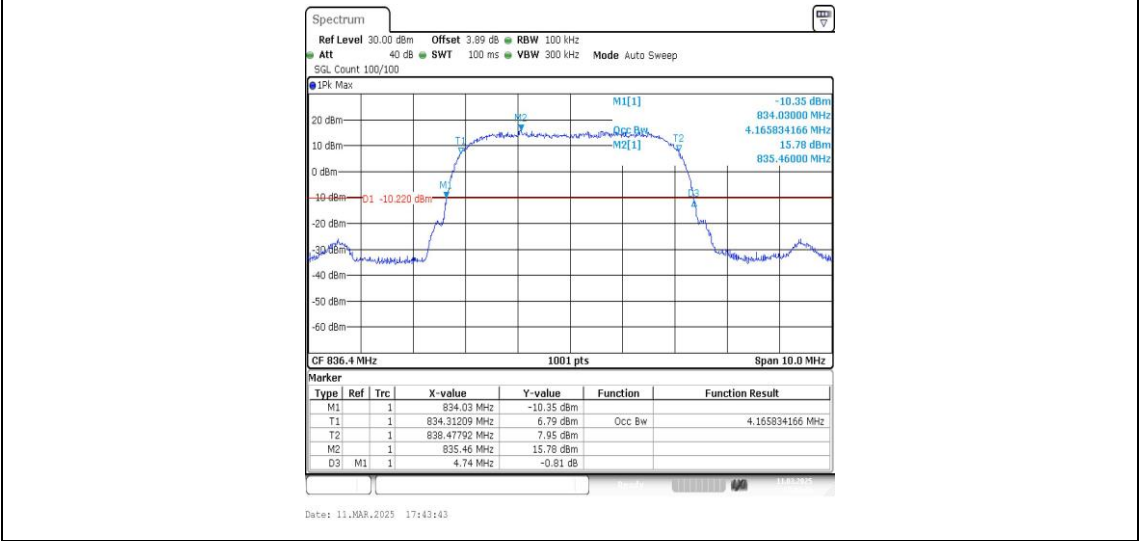
Band5-4132-3-PASS



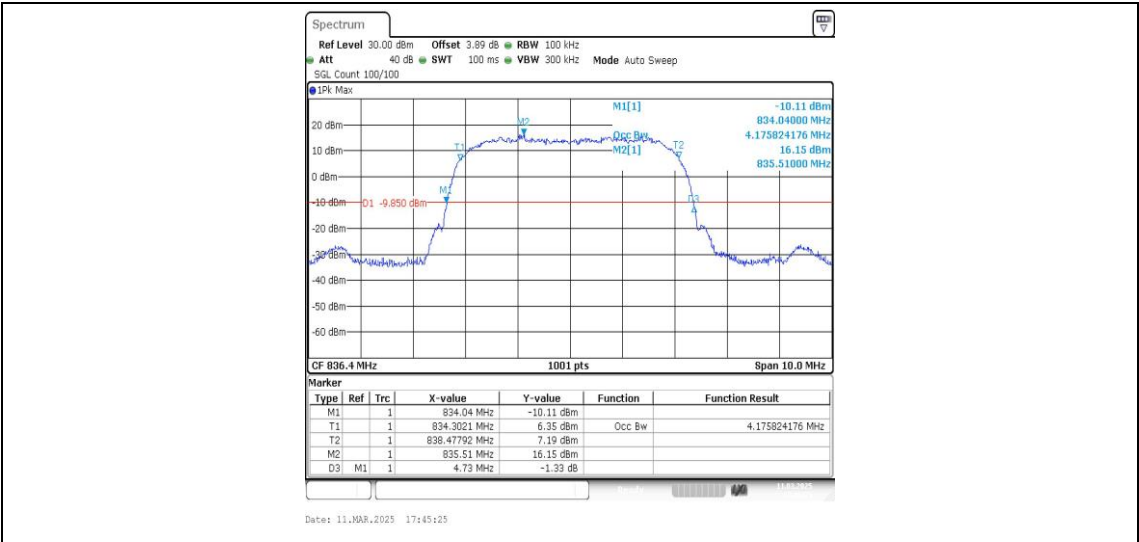
Band5-4132-4-PASS



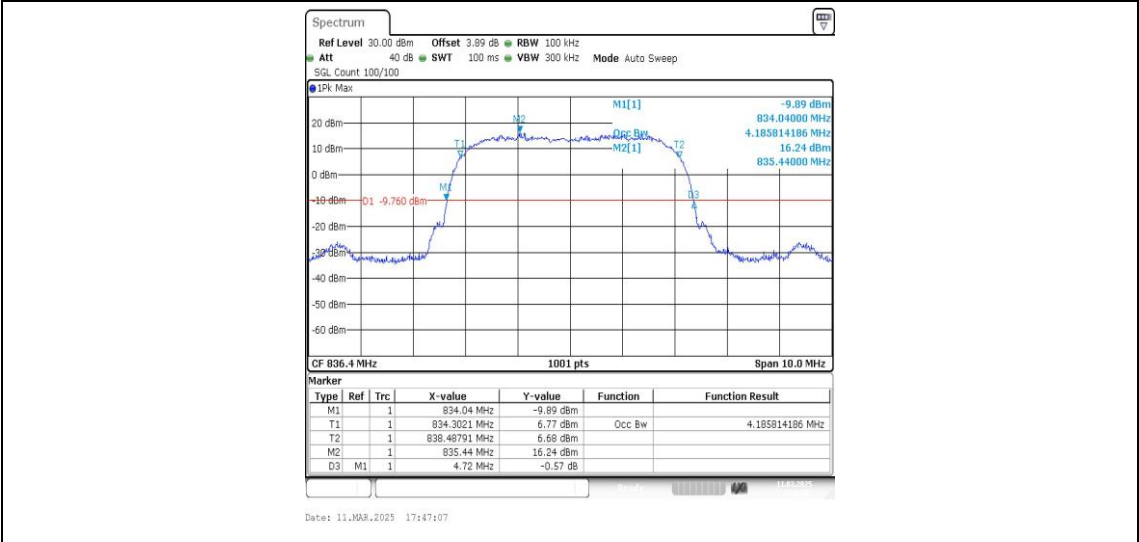
Band5-4182-1-PASS



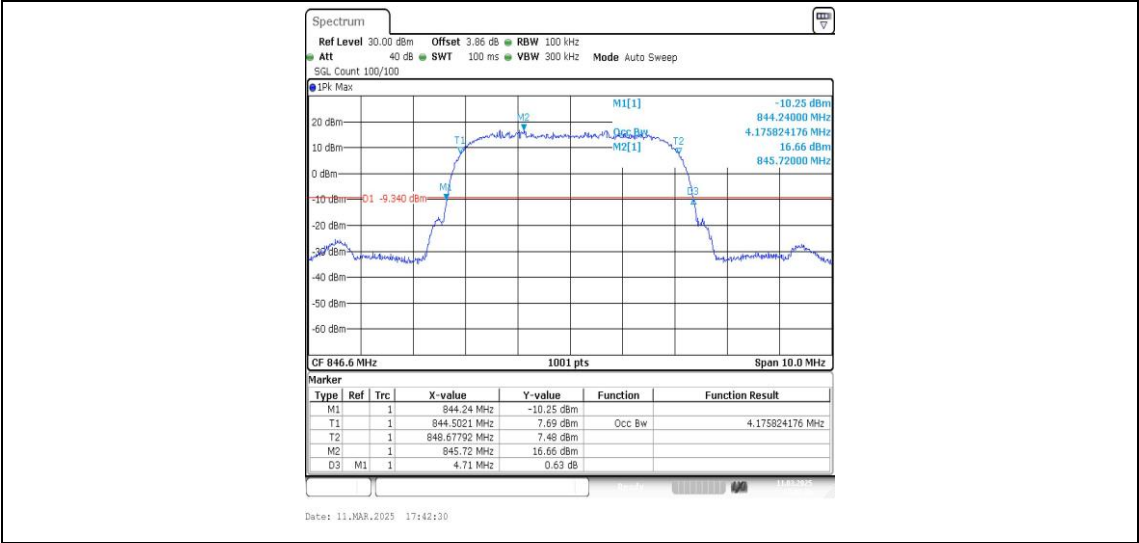
Band5-4182-2-PASS



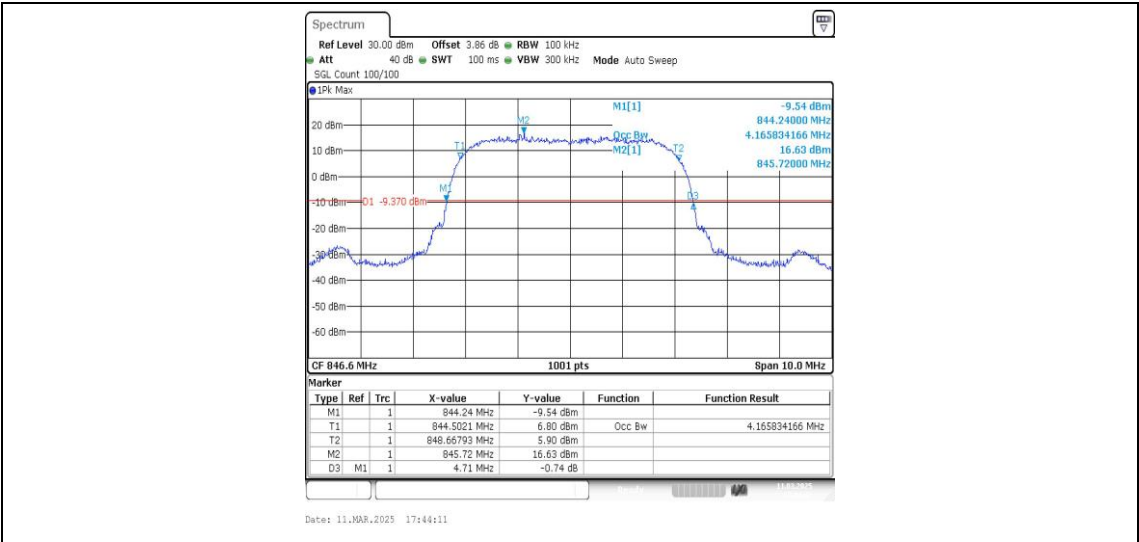
Band5-4182-3-PASS



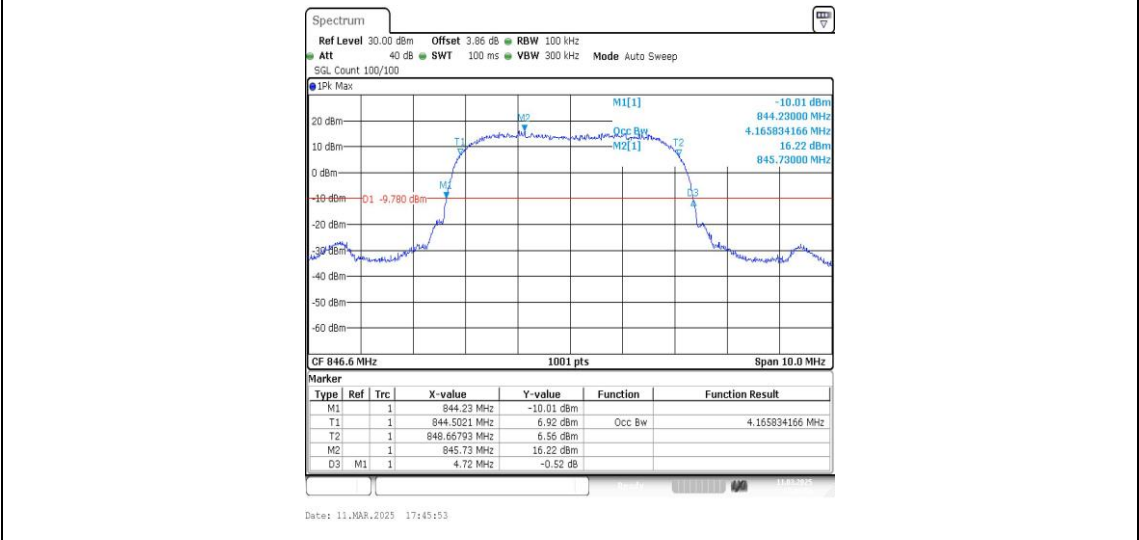
Band5-4182-4-PASS



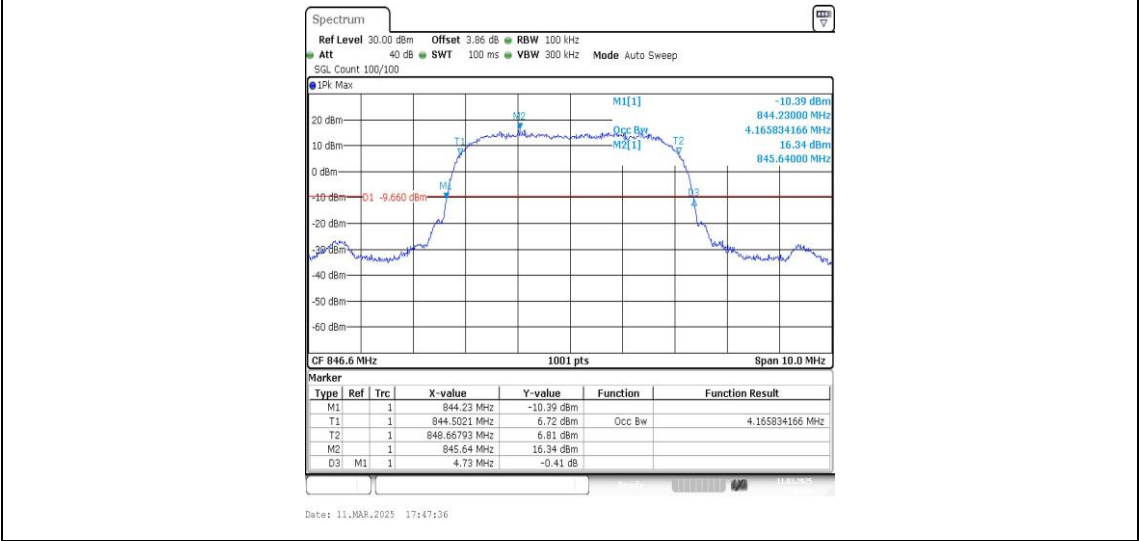
Band5-4233-1-PASS



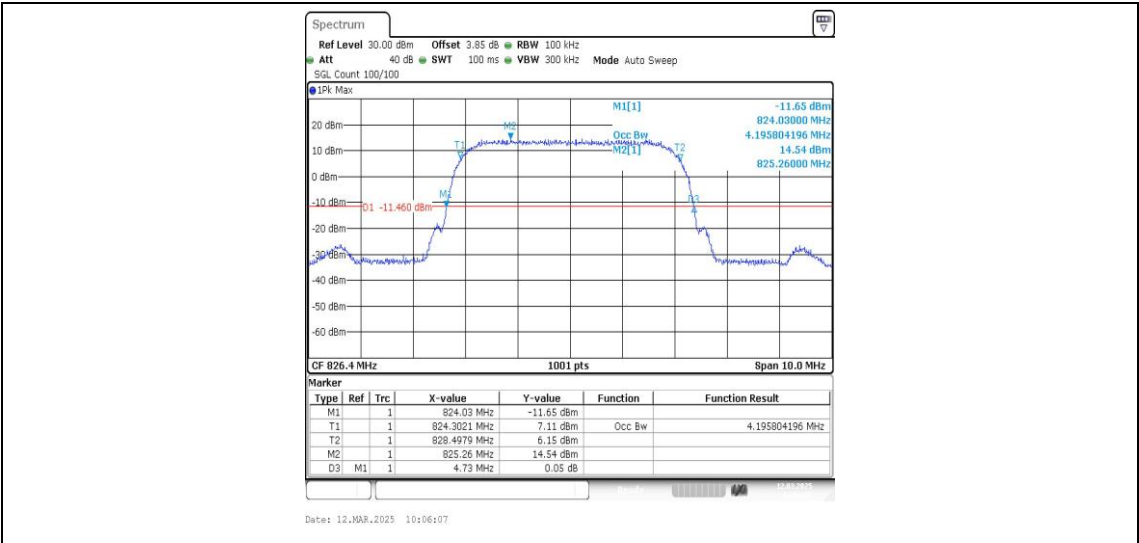
Band5-4233-2-PASS



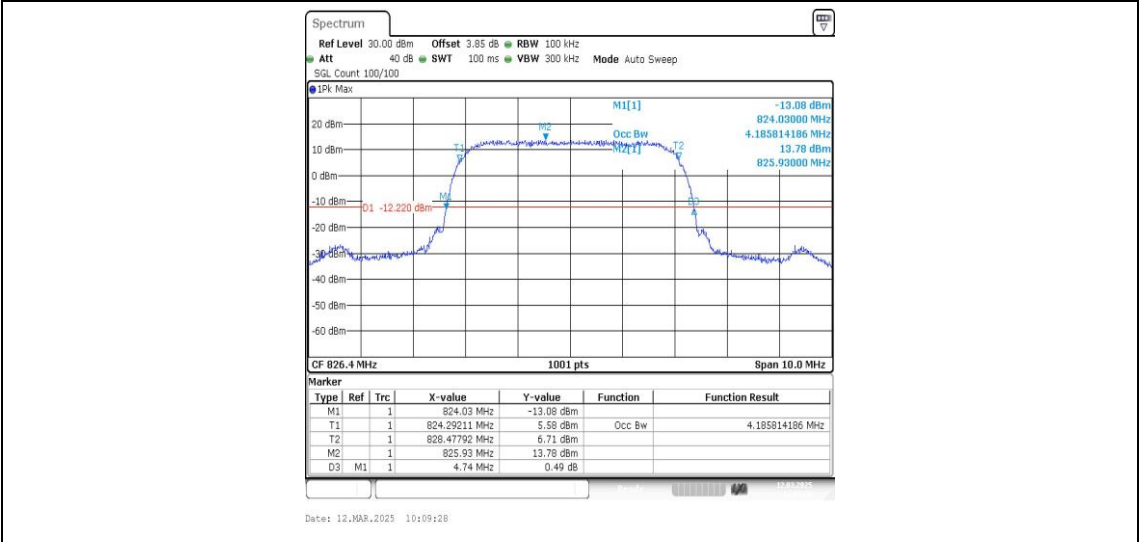
Band5-4233-3-PASS



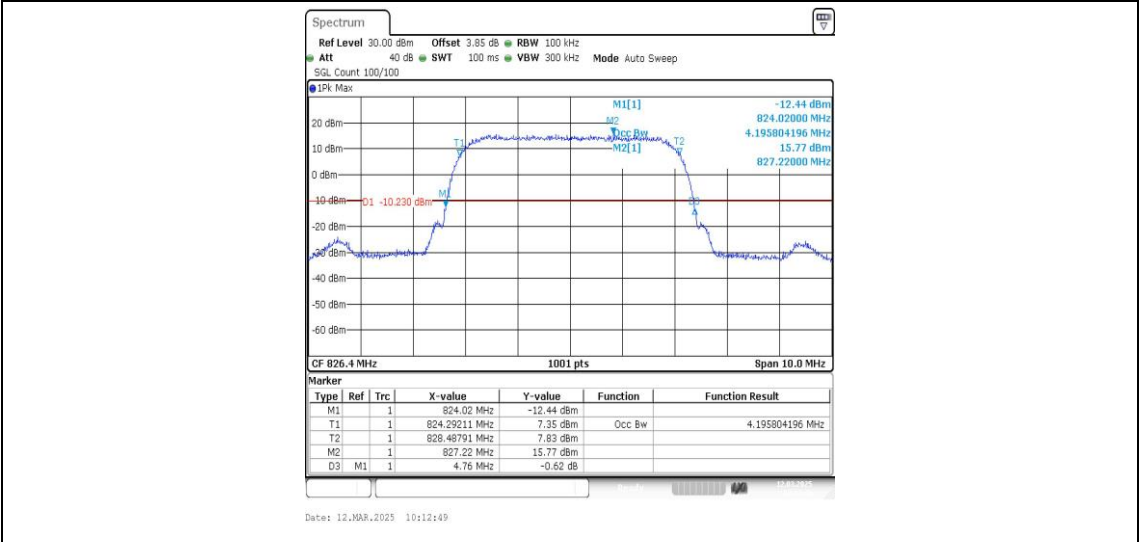
Band5-4233-4-PASS

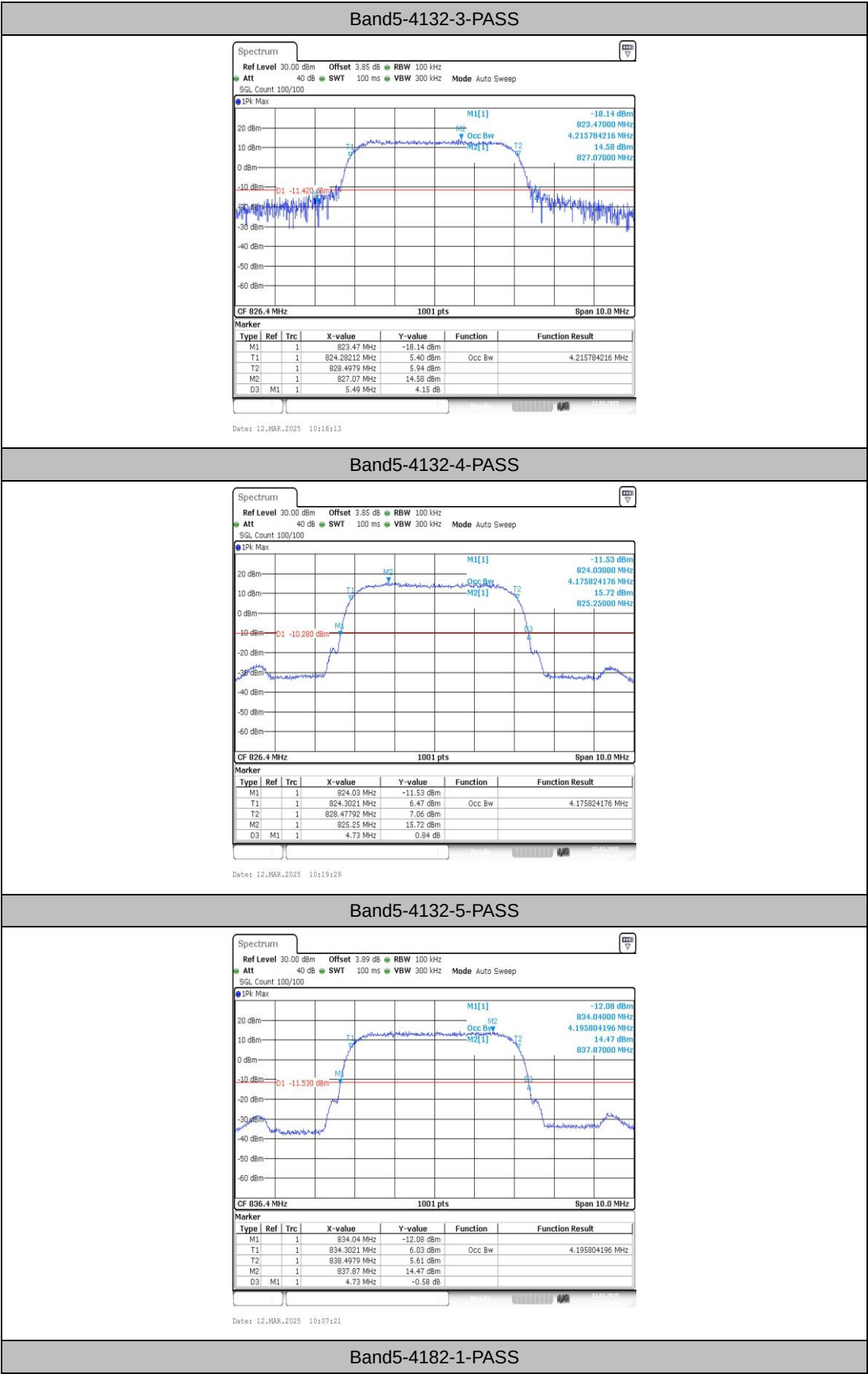


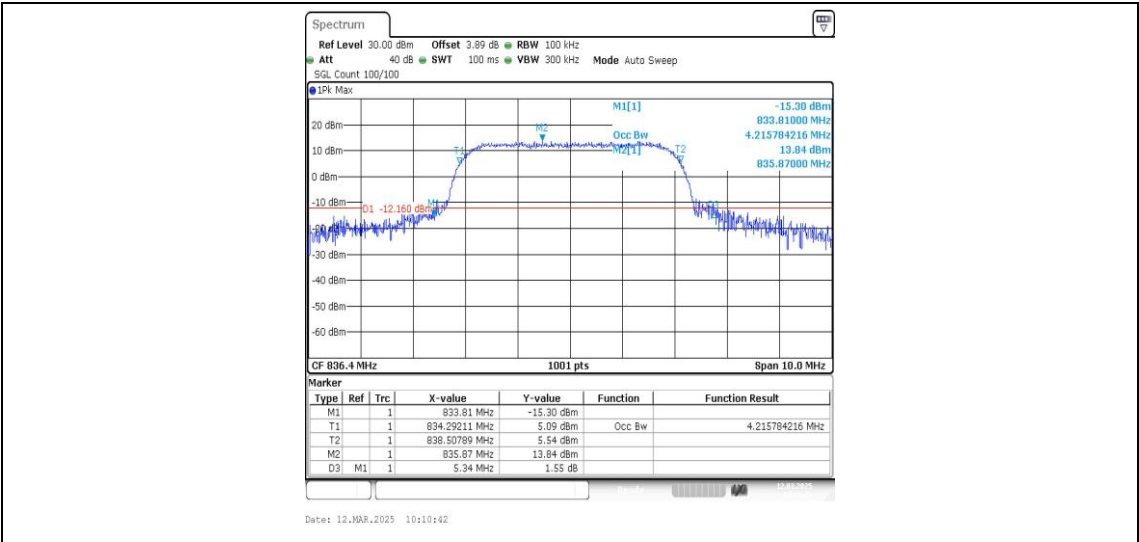
Band5-4132-1-PASS



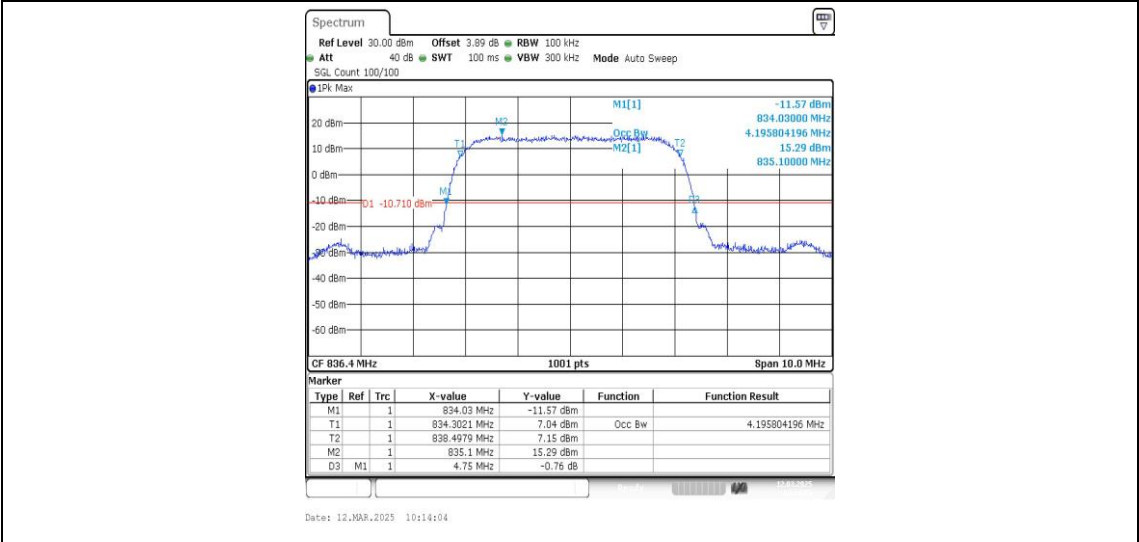
Band5-4132-2-PASS



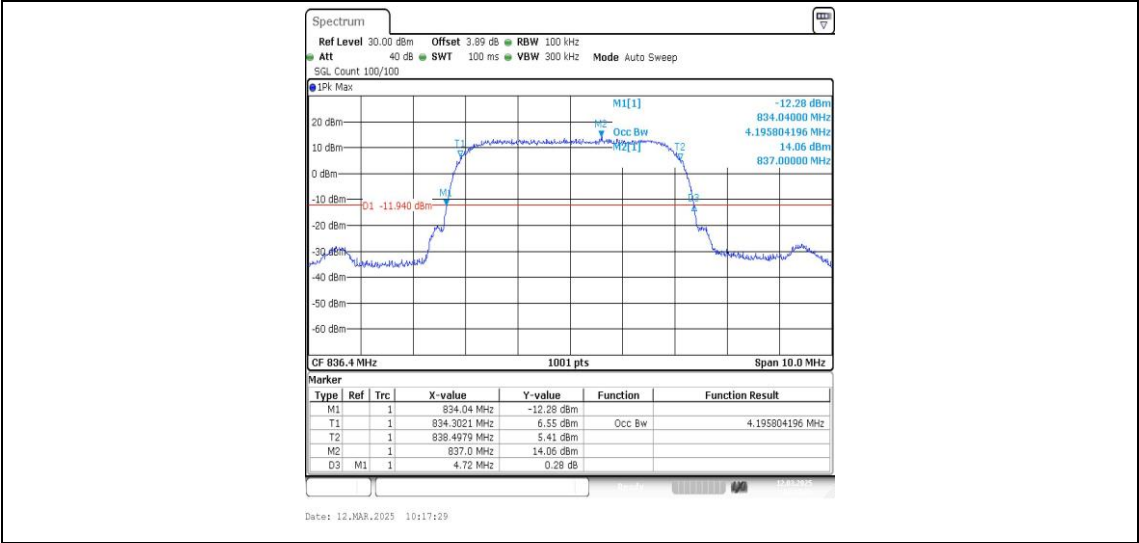




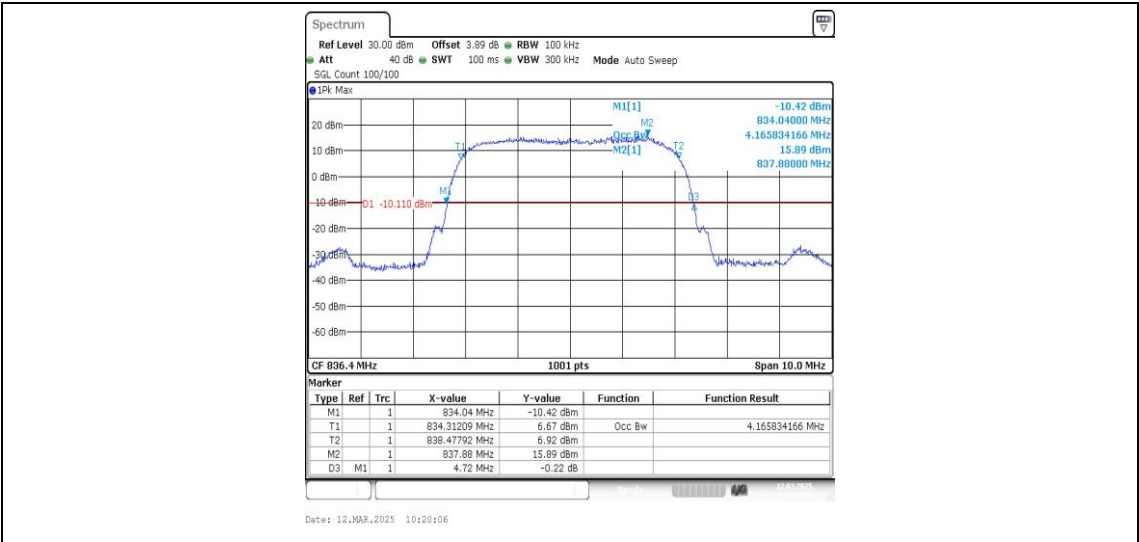
Band5-4182-2-PASS



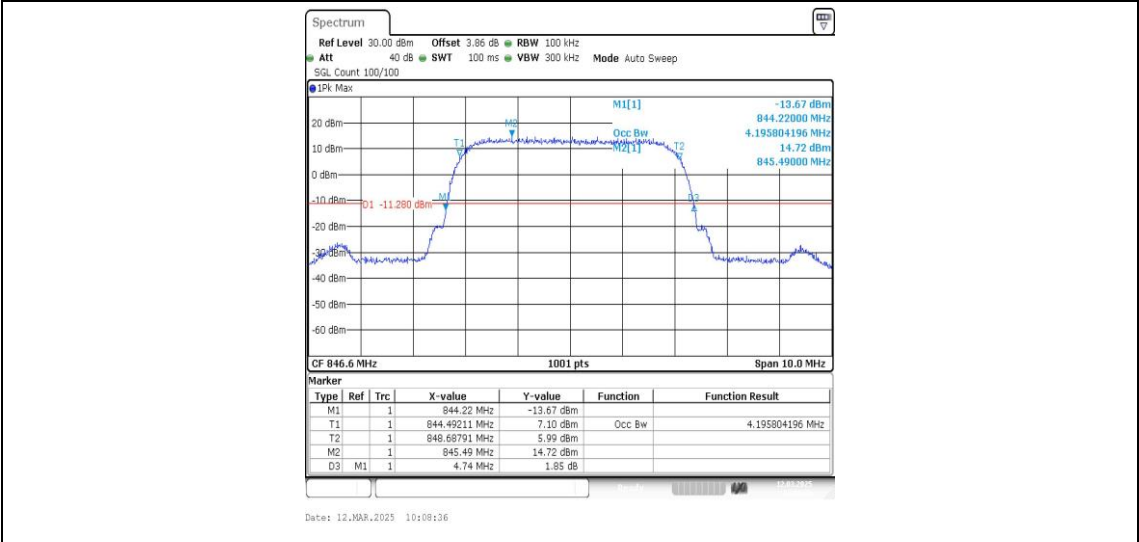
Band5-4182-3-PASS



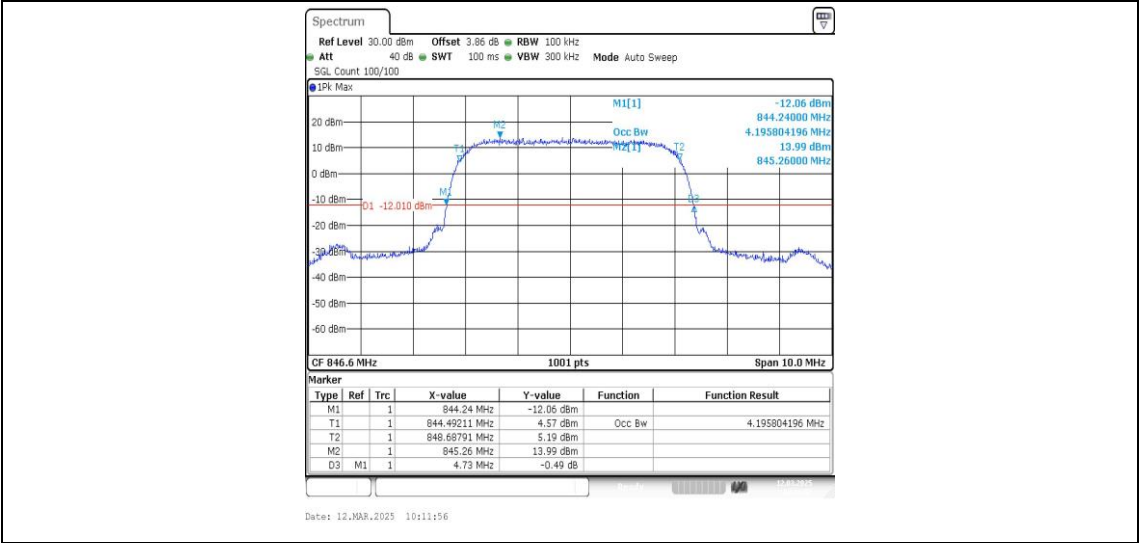
Band5-4182-4-PASS



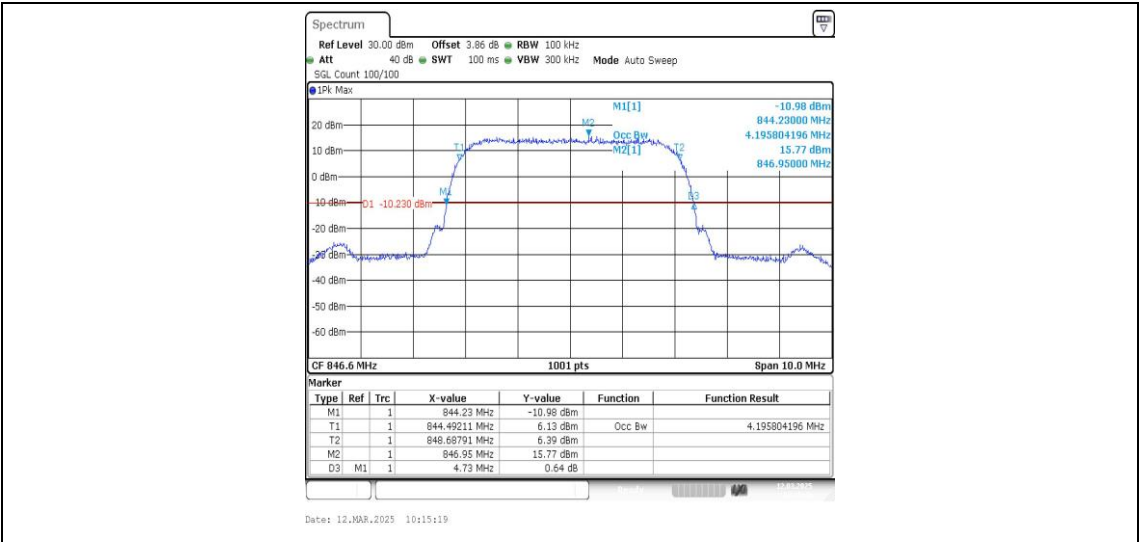
Band5-4182-5-PASS



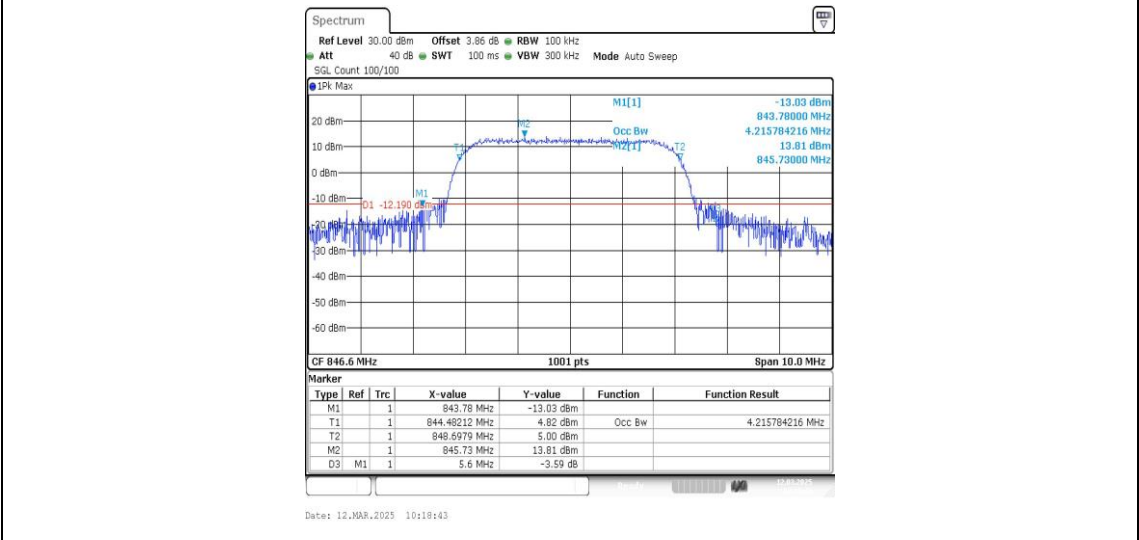
Band5-4233-1-PASS



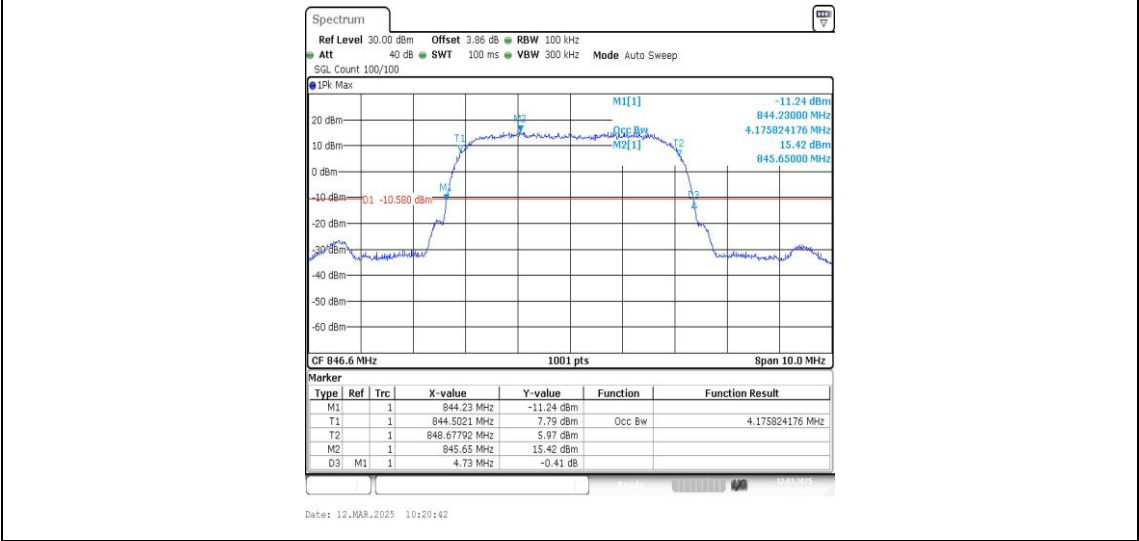
Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



Band5-4233-5-PASS

AppendixD:Band Edge

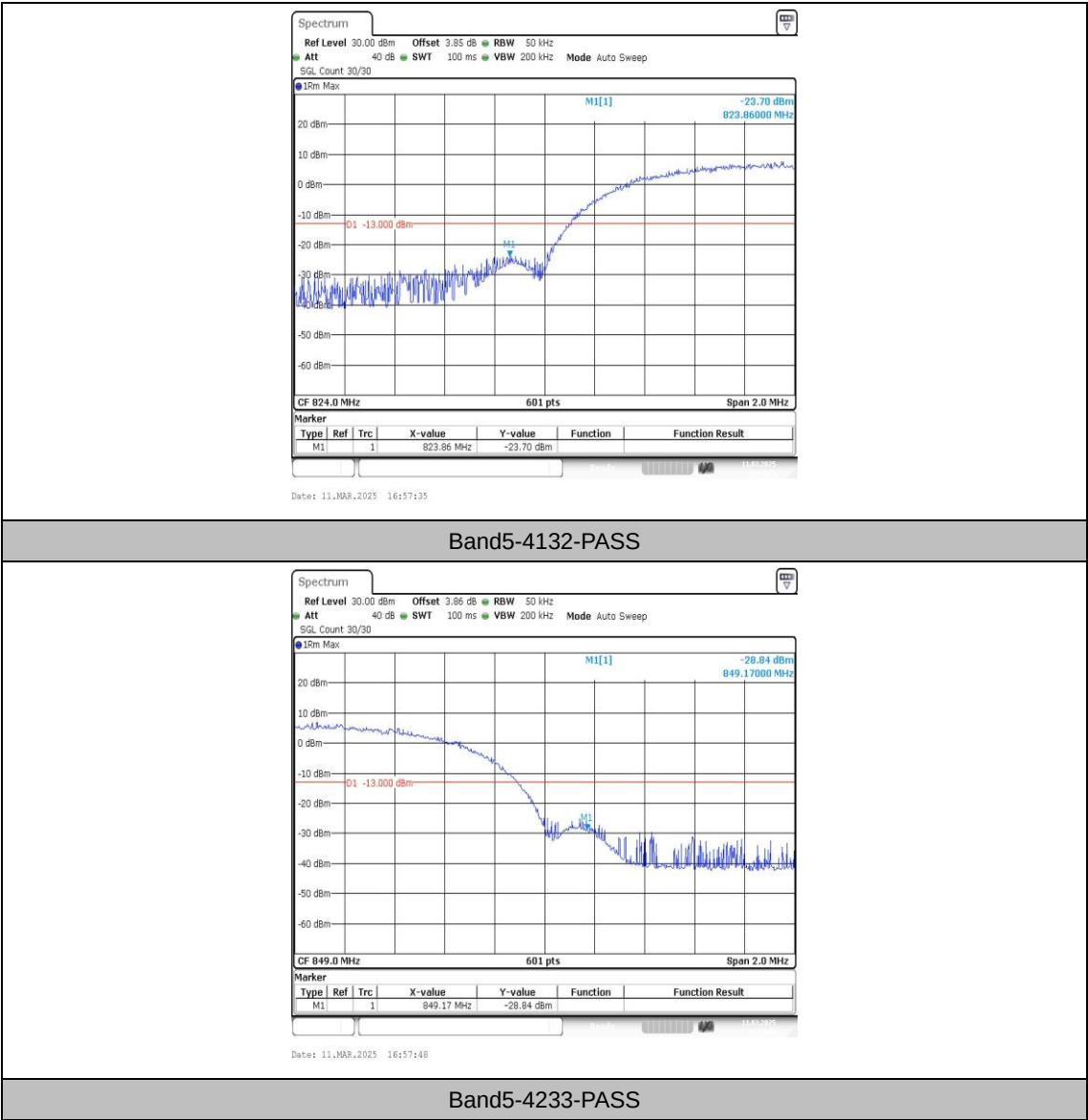
Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.86	-23.70	-13	PASS
Band5	4233	849.17	-24.96	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.85	-25.44	-13	PASS
Band5	4132	2	823.85	-26.72	-13	PASS
Band5	4132	3	823.88	-28.11	-13	PASS
Band5	4132	4	823.91	-28.11	-13	PASS
Band5	4233	1	849.13	-28.21	-13	PASS
Band5	4233	2	849.10	-28.83	-13	PASS
Band5	4233	3	849.12	-28.67	-13	PASS
Band5	4233	4	849.11	-28.78	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.86	-27.92	-13	PASS
Band5	4132	2	823.89	-28.31	-13	PASS
Band5	4132	3	823.88	-27.25	-13	PASS
Band5	4132	4	823.84	-25.76	-13	PASS
Band5	4132	5	823.87	-27.50	-13	PASS
Band5	4233	1	849.11	-28.46	-13	PASS
Band5	4233	2	849.16	-30.19	-13	PASS
Band5	4233	3	849.10	-28.34	-13	PASS
Band5	4233	4	849.04	-26.99	-13	PASS
Band5	4233	5	849.11	-28.62	-13	PASS

Test Graphs





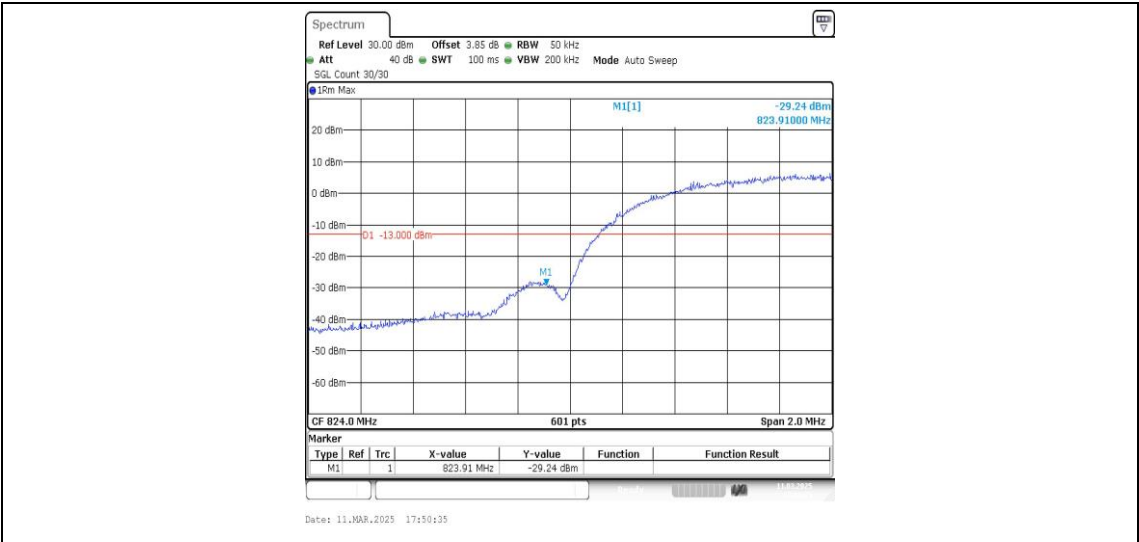
Band5-4132-1-PASS



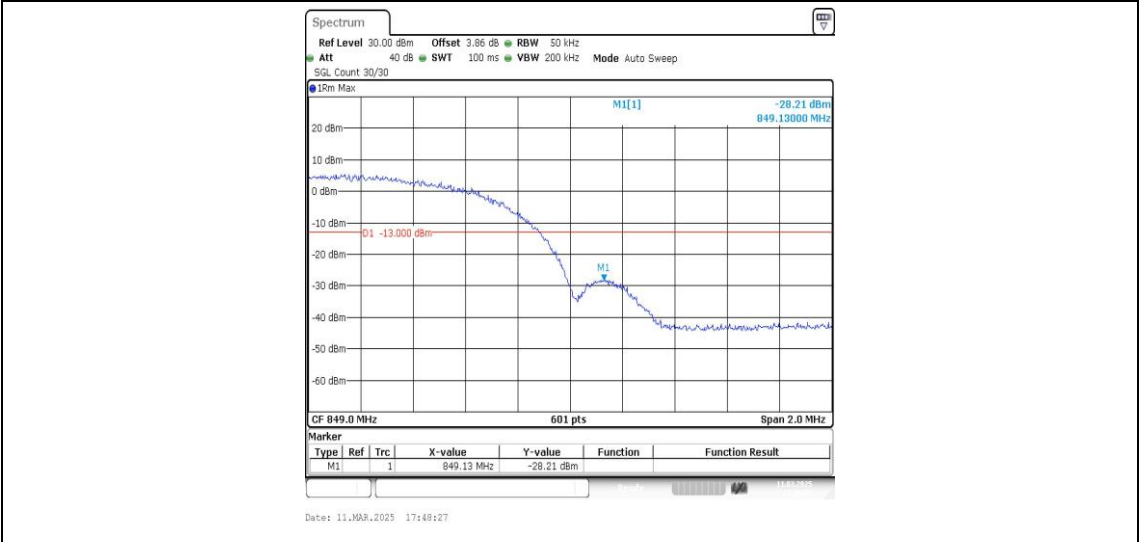
Band5-4132-2-PASS



Band5-4132-3-PASS



Band5-4132-4-PASS



Band5-4233-1-PASS



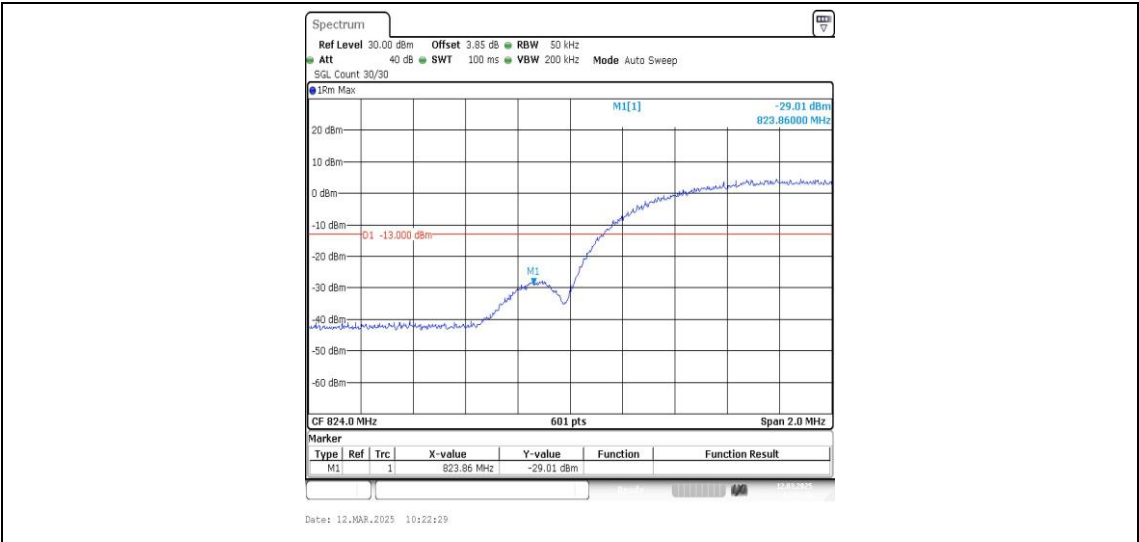
Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



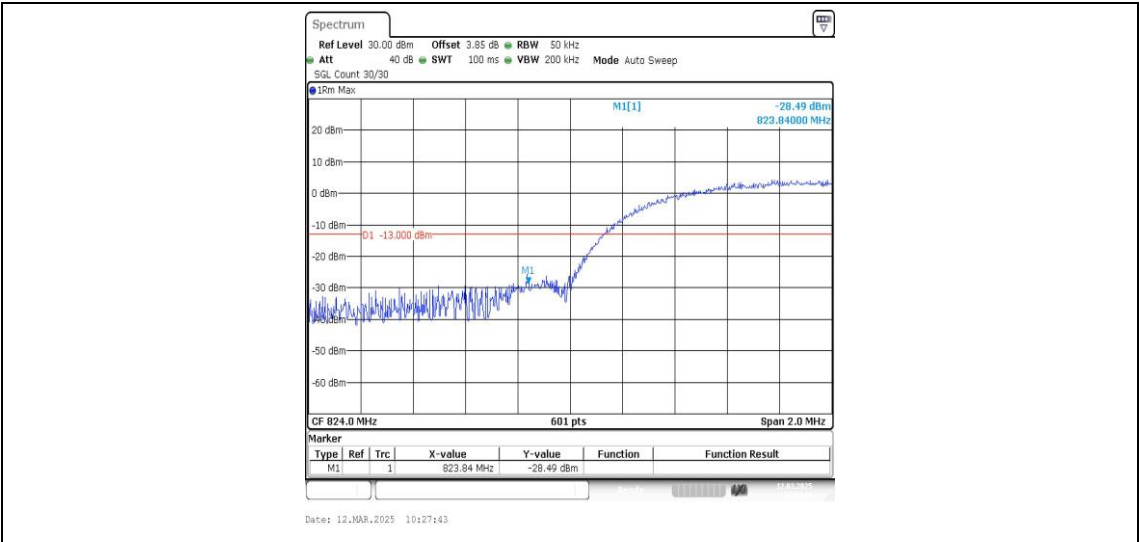
Band5-4132-1-PASS



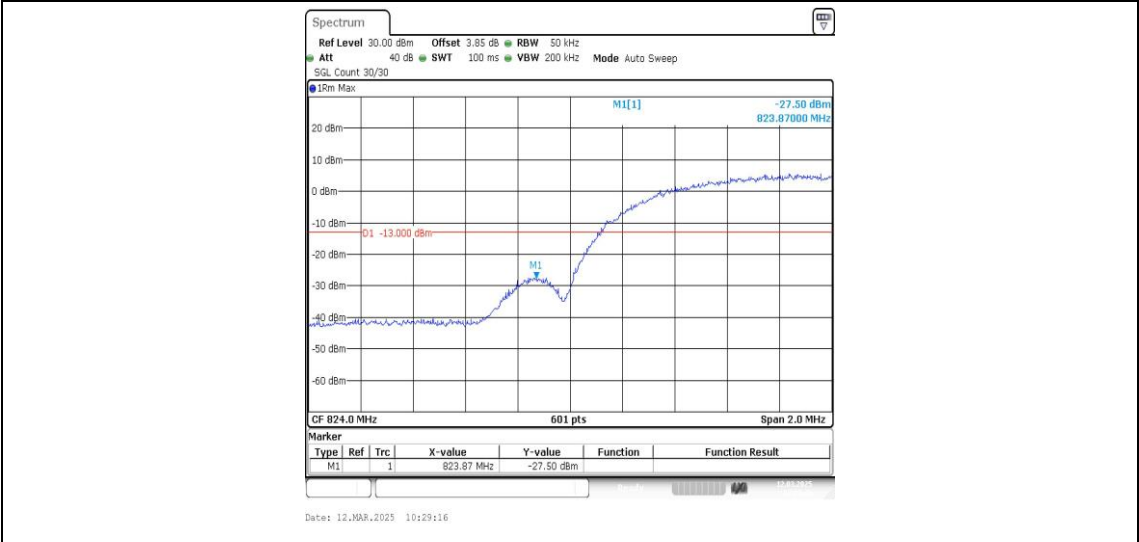
Band5-4132-2-PASS



Band5-4132-3-PASS



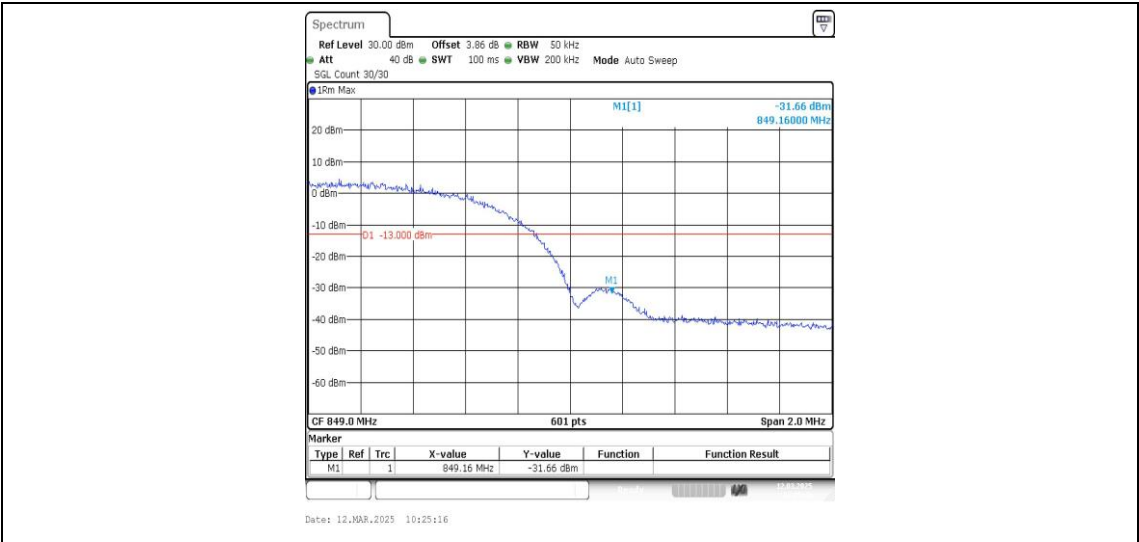
Band5-4132-4-PASS



Band5-4132-5-PASS



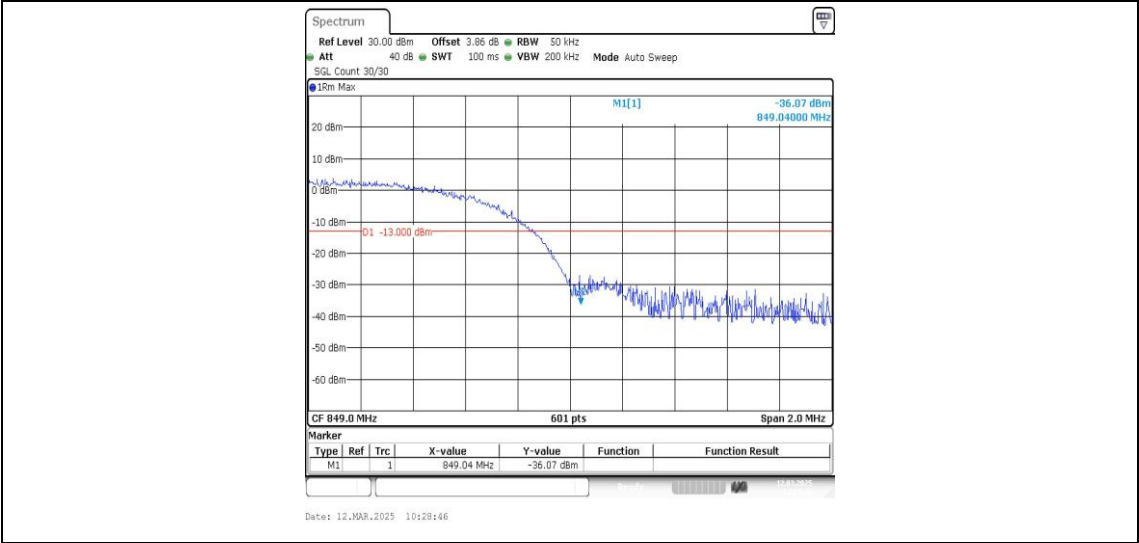
Band5-4233-1-PASS



Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



AppendixE:Conducted SpuriousEmission

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-76.46	-33	PASS
Band5	4132	0.15~30MHz	24.08	-70.81	-23	PASS
Band5	4132	30~1000MHz	977.69	-60.35	-13	PASS
Band5	4132	1000~10000MHz	6817.53	-40.08	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-76.51	-33	PASS
Band5	4182	0.15~30MHz	22.68	-70.81	-23	PASS
Band5	4182	30~1000MHz	956.35	-60.21	-13	PASS
Band5	4182	1000~10000MHz	6841.38	-40.37	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-76.72	-33	PASS
Band5	4233	0.15~30MHz	22.95	-70.49	-23	PASS
Band5	4233	30~1000MHz	991.27	-60.3	-13	PASS
Band5	4233	1000~10000MHz	6518.3	-40.33	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.009~0.15MHz	0.01	-76.74	-33	PASS
Band5	4132	1	0.15~30MHz	26.74	-71.2	-23	PASS
Band5	4132	1	30~1000MHz	984.48	-59.84	-13	PASS
Band5	4132	1	1000~10000MHz	6489.5	-40.17	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.01	-76.56	-33	PASS
Band5	4132	2	0.15~30MHz	24.59	-70.85	-23	PASS
Band5	4132	2	30~1000MHz	992.73	-59.4	-13	PASS
Band5	4132	2	1000~10000MHz	6849.93	-40.36	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.01	-76.75	-33	PASS
Band5	4132	3	0.15~30MHz	28.61	-71	-23	PASS
Band5	4132	3	30~1000MHz	995.64	-60.16	-13	PASS
Band5	4132	3	1000~10000MHz	6841.83	-39.84	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.01	-76.54	-33	PASS
Band5	4132	4	0.15~30MHz	22.92	-70.77	-23	PASS
Band5	4132	4	30~1000MHz	961.69	-59.97	-13	PASS
Band5	4132	4	1000~10000MHz	6507.95	-40.2	-13	PASS
Band5	4182	1	0.009~0.15MHz	0.01	-76.49	-33	PASS
Band5	4182	1	0.15~30MHz	24.8	-70.86	-23	PASS
Band5	4182	1	30~1000MHz	964.6	-60.18	-13	PASS
Band5	4182	1	1000~10000MHz	6502.55	-40.18	-13	PASS
Band5	4182	2	0.009~0.15MHz	0.01	-76.68	-33	PASS

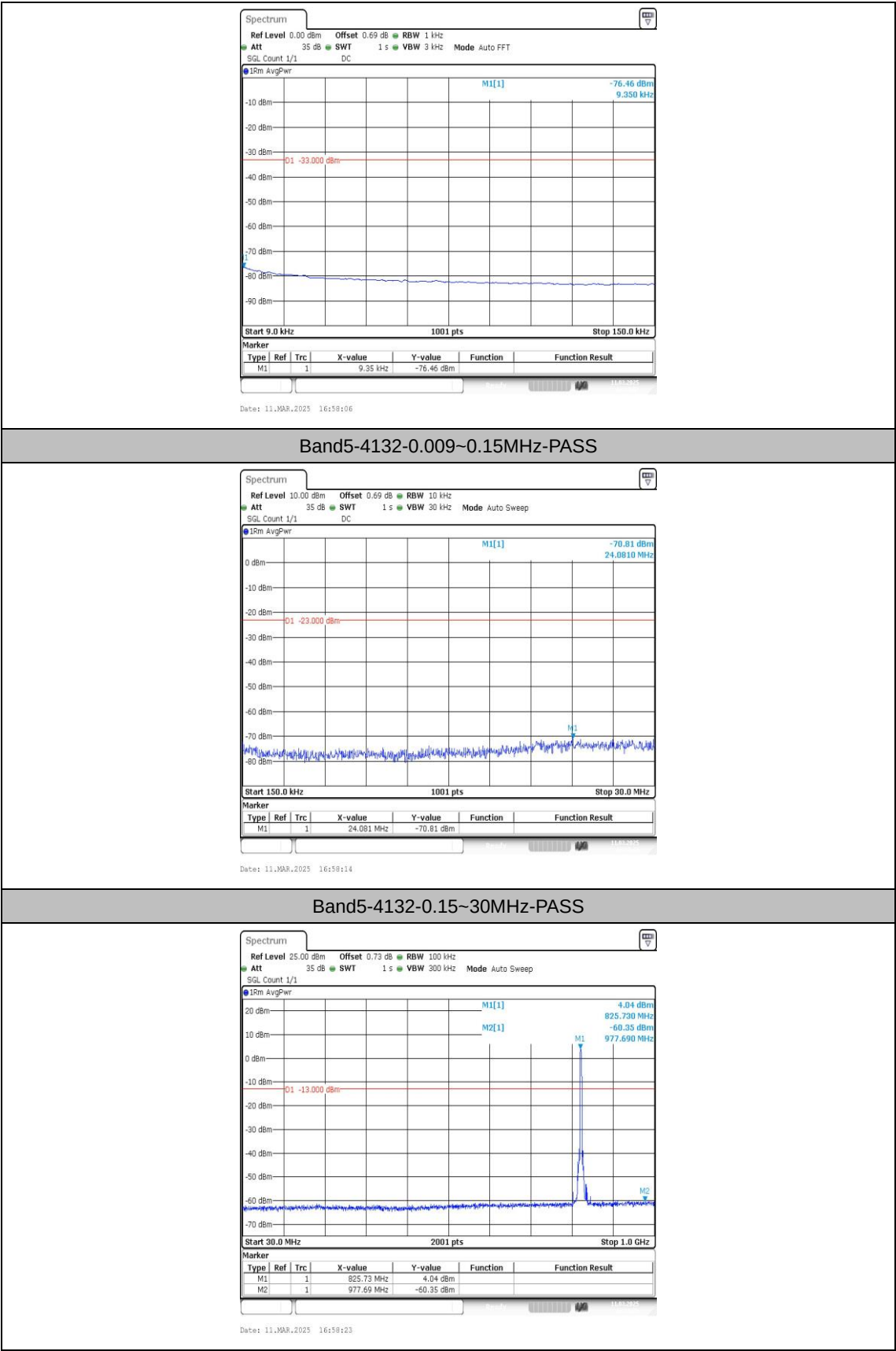
Band5	4182	2	0.15~30MHz	27.09	-70.76	-23	PASS
Band5	4182	2	30~1000MHz	965.57	-59.97	-13	PASS
Band5	4182	2	1000~10000MHz	6764.44	-39.97	-13	PASS
Band5	4182	3	0.009~0.15MHz	0.01	-76.51	-33	PASS
Band5	4182	3	0.15~30MHz	22.59	-70.46	-23	PASS
Band5	4182	3	30~1000MHz	963.14	-60.14	-13	PASS
Band5	4182	3	1000~10000MHz	6535.4	-40.49	-13	PASS
Band5	4182	4	0.009~0.15MHz	0.01	-76.64	-33	PASS
Band5	4182	4	0.15~30MHz	29.33	-70.62	-23	PASS
Band5	4182	4	30~1000MHz	977.69	-60.03	-13	PASS
Band5	4182	4	1000~10000MHz	6545.3	-39.93	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.01	-76.54	-33	PASS
Band5	4233	1	0.15~30MHz	27.48	-70.59	-23	PASS
Band5	4233	1	30~1000MHz	990.3	-59.84	-13	PASS
Band5	4233	1	1000~10000MHz	6974.13	-40.23	-13	PASS
Band5	4233	2	0.009~0.15MHz	0.01	-76.72	-33	PASS
Band5	4233	2	0.15~30MHz	27.39	-70.71	-23	PASS
Band5	4233	2	30~1000MHz	998.06	-59.65	-13	PASS
Band5	4233	2	1000~10000MHz	6516.5	-40.19	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.01	-76.44	-33	PASS
Band5	4233	3	0.15~30MHz	21.52	-70.62	-23	PASS
Band5	4233	3	30~1000MHz	958.78	-60.19	-13	PASS
Band5	4233	3	1000~10000MHz	6976.38	-40.14	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.01	-76.5	-33	PASS
Band5	4233	4	0.15~30MHz	26.82	-71.21	-23	PASS
Band5	4233	4	30~1000MHz	998.06	-59.75	-13	PASS
Band5	4233	4	1000~10000MHz	5851.88	-40.12	-13	PASS

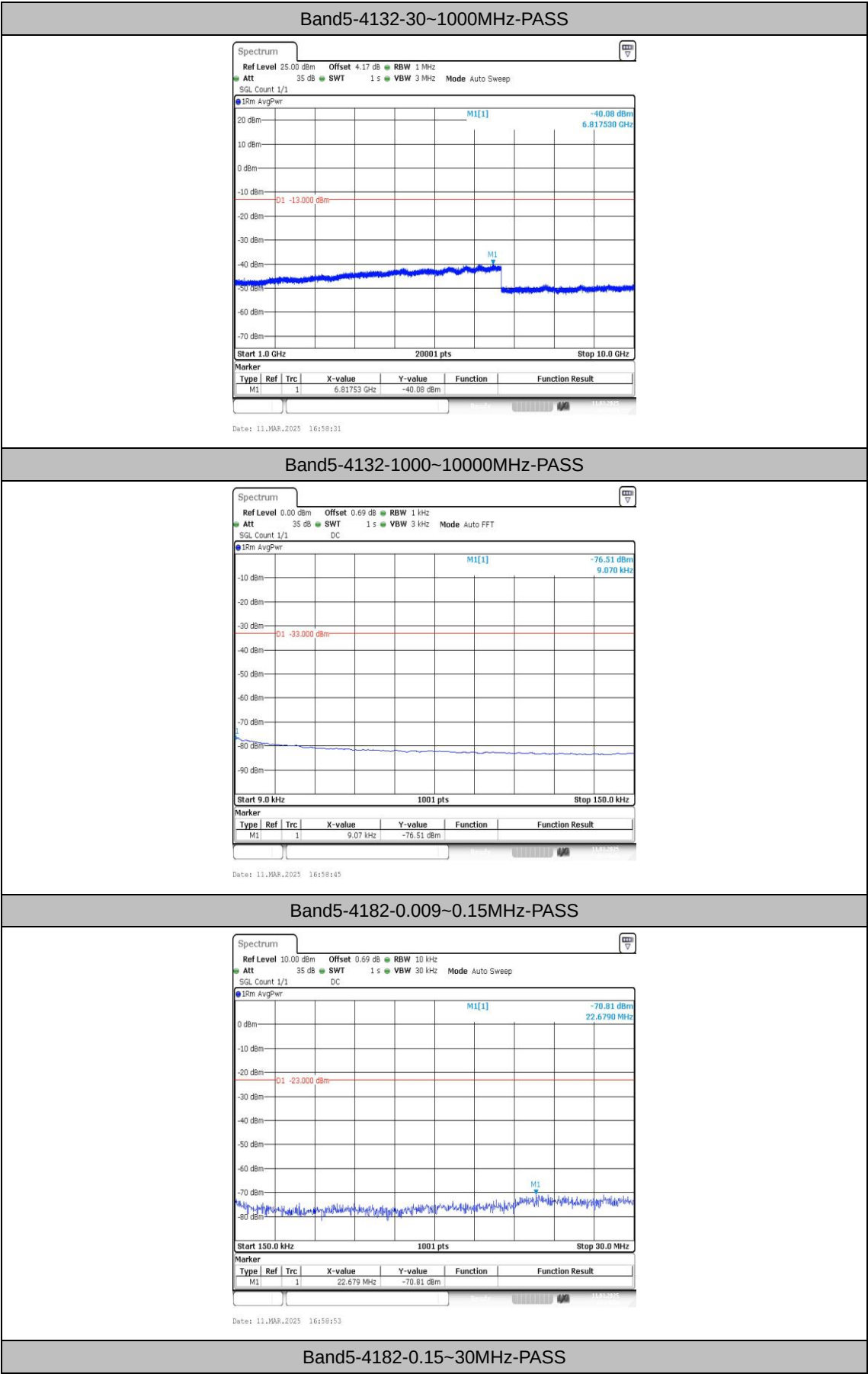
Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.009~0.15MHz	0.01	-76.75	-33	PASS
Band5	4132	1	0.15~30MHz	25.39	-70.55	-23	PASS
Band5	4132	1	30~1000MHz	997.58	-60.11	-13	PASS
Band5	4132	1	1000~10000MHz	6541.25	-40.47	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.01	-76.81	-33	PASS
Band5	4132	2	0.15~30MHz	24.44	-70.42	-23	PASS
Band5	4132	2	30~1000MHz	946.17	-59.78	-13	PASS
Band5	4132	2	1000~10000MHz	6582.65	-40.49	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.01	-76.46	-33	PASS
Band5	4132	3	0.15~30MHz	26.62	-70.03	-23	PASS
Band5	4132	3	30~1000MHz	988.85	-60.36	-13	PASS

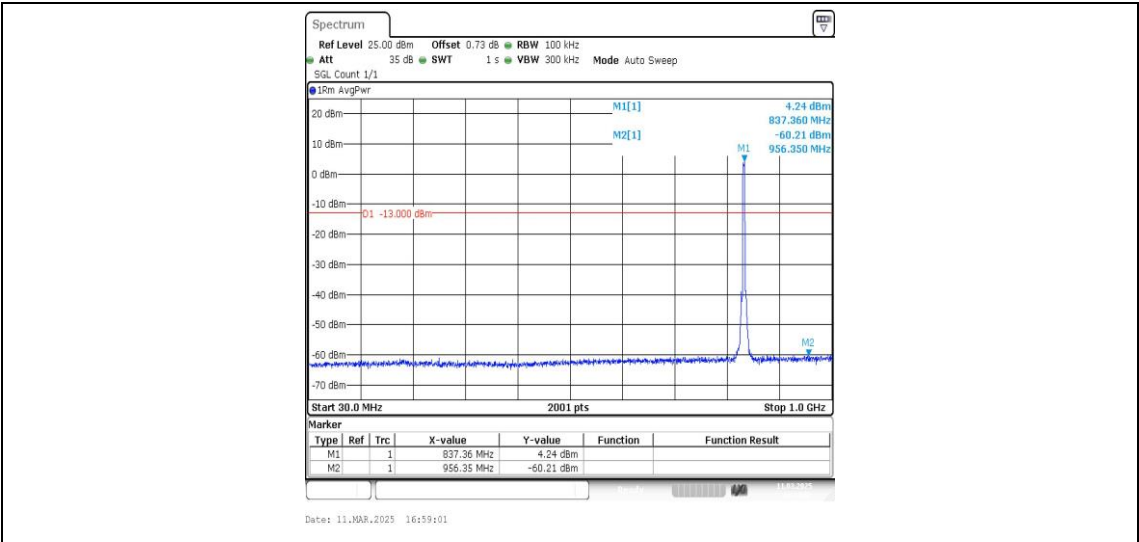
Band5	4132	3	1000~10000MHz	6554.75	-40.32	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.01	-76.59	-33	PASS
Band5	4132	4	0.15~30MHz	27.48	-70.9	-23	PASS
Band5	4132	4	30~1000MHz	962.66	-60.31	-13	PASS
Band5	4132	4	1000~10000MHz	6560.6	-40.34	-13	PASS
Band5	4132	5	0.009~0.15MHz	0.01	-76.44	-33	PASS
Band5	4132	5	0.15~30MHz	24.47	-71.39	-23	PASS
Band5	4132	5	30~1000MHz	955.87	-60.12	-13	PASS
Band5	4132	5	1000~10000MHz	6856.23	-40.24	-13	PASS
Band5	4182	1	0.009~0.15MHz	0.01	-76.42	-33	PASS
Band5	4182	1	0.15~30MHz	27.33	-70.21	-23	PASS
Band5	4182	1	30~1000MHz	937.44	-59.88	-13	PASS
Band5	4182	1	1000~10000MHz	6569.6	-40.36	-13	PASS
Band5	4182	2	0.009~0.15MHz	0.01	-76.74	-33	PASS
Band5	4182	2	0.15~30MHz	24.95	-70.8	-23	PASS
Band5	4182	2	30~1000MHz	979.15	-60.07	-13	PASS
Band5	4182	2	1000~10000MHz	6957.93	-40.36	-13	PASS
Band5	4182	3	0.009~0.15MHz	0.01	-76.46	-33	PASS
Band5	4182	3	0.15~30MHz	22.38	-70.54	-23	PASS
Band5	4182	3	30~1000MHz	580.48	-59.98	-13	PASS
Band5	4182	3	1000~10000MHz	6847.23	-39.94	-13	PASS
Band5	4182	4	0.009~0.15MHz	0.01	-76.67	-33	PASS
Band5	4182	4	0.15~30MHz	22.11	-70.64	-23	PASS
Band5	4182	4	30~1000MHz	949.56	-60.13	-13	PASS
Band5	4182	4	1000~10000MHz	6503	-40.17	-13	PASS
Band5	4182	5	0.009~0.15MHz	0.01	-76.55	-33	PASS
Band5	4182	5	0.15~30MHz	25.99	-70.12	-23	PASS
Band5	4182	5	30~1000MHz	991.27	-60.21	-13	PASS
Band5	4182	5	1000~10000MHz	6566.45	-39.95	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.01	-76.89	-33	PASS
Band5	4233	1	0.15~30MHz	25.75	-70.56	-23	PASS
Band5	4233	1	30~1000MHz	956.35	-60.08	-13	PASS
Band5	4233	1	1000~10000MHz	6523.25	-40.3	-13	PASS
Band5	4233	2	0.009~0.15MHz	0.01	-76.52	-33	PASS
Band5	4233	2	0.15~30MHz	25.07	-70.3	-23	PASS
Band5	4233	2	30~1000MHz	953.93	-59.82	-13	PASS
Band5	4233	2	1000~10000MHz	6995.28	-40.33	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.01	-76.61	-33	PASS
Band5	4233	3	0.15~30MHz	26.74	-71.08	-23	PASS
Band5	4233	3	30~1000MHz	964.11	-60.28	-13	PASS
Band5	4233	3	1000~10000MHz	6870.18	-40.24	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.01	-76.77	-33	PASS

Band5	4233	4	0.15~30MHz	25.21	-71.23	-23	PASS
Band5	4233	4	30~1000MHz	959.26	-59.59	-13	PASS
Band5	4233	4	1000~10000MHz	6503.9	-40.2	-13	PASS
Band5	4233	5	0.009~0.15MHz	0.01	-76.67	-33	PASS
Band5	4233	5	0.15~30MHz	22.14	-70.65	-23	PASS
Band5	4233	5	30~1000MHz	968.96	-60.15	-13	PASS
Band5	4233	5	1000~10000MHz	6934.08	-40.44	-13	PASS

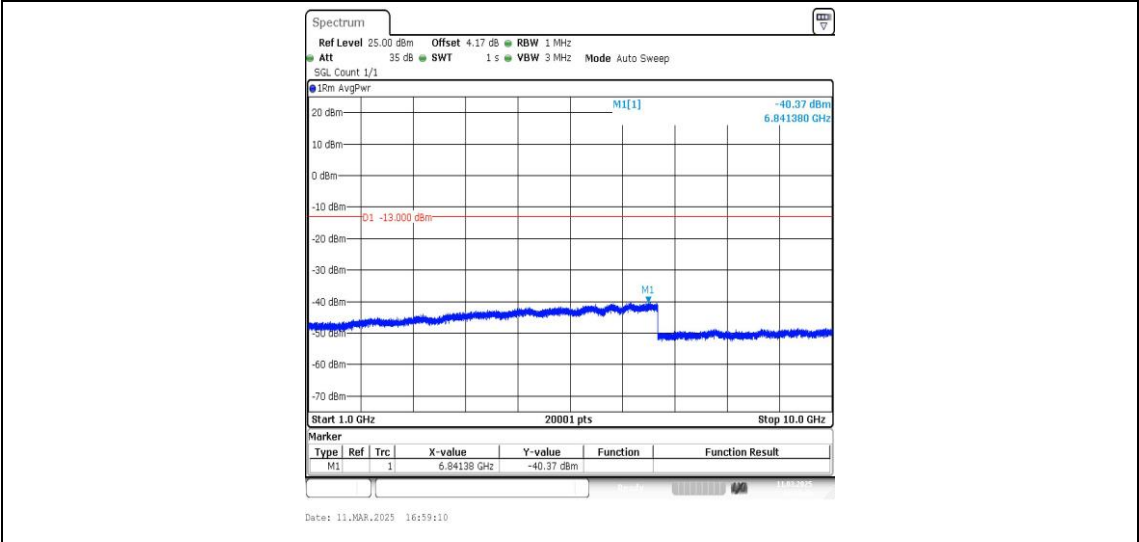
Test Graphs



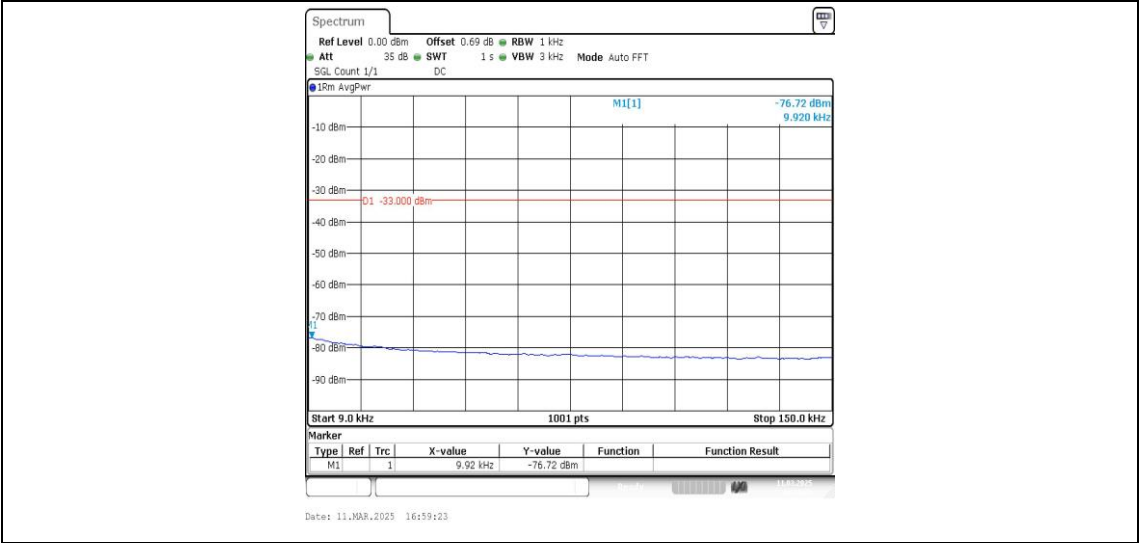




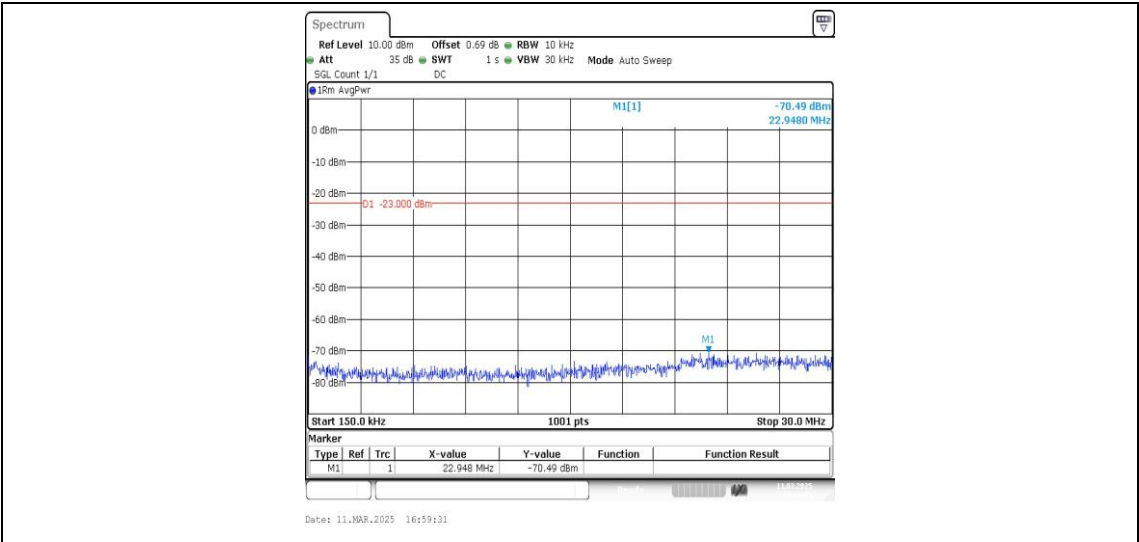
Band5-4182-30~1000MHz-PASS



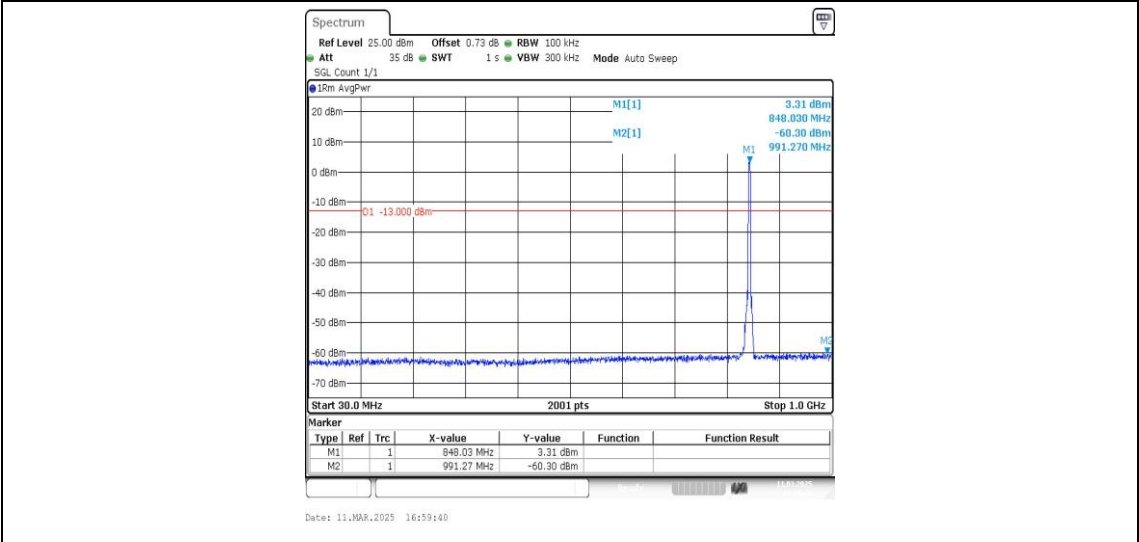
Band5-4182-1000~10000MHz-PASS



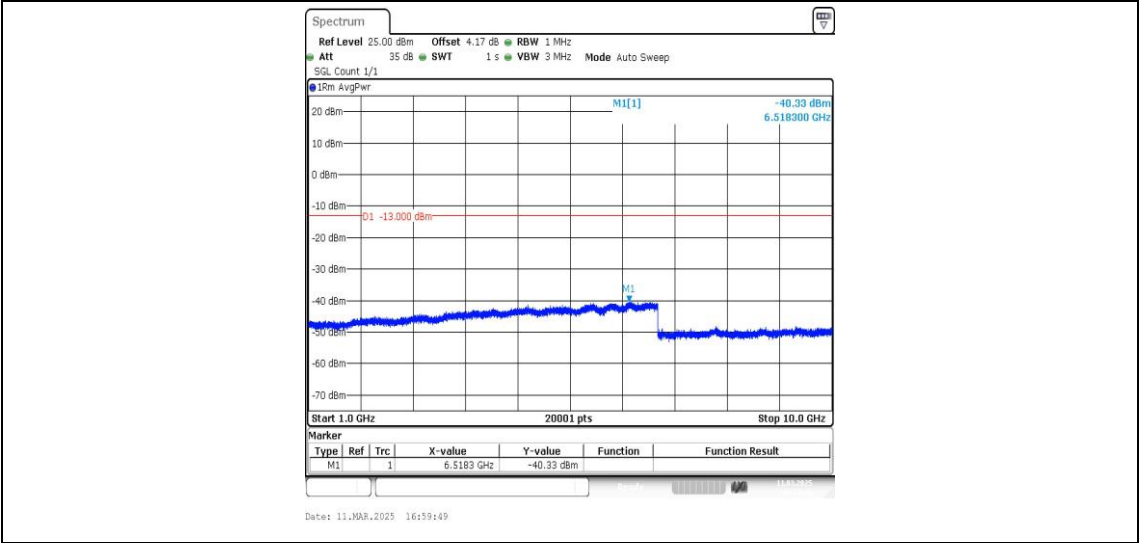
Band5-4233-0.009~0.15MHz-PASS



Band5-4233-0.15~30MHz-PASS



Band5-4233-30~1000MHz-PASS



Band5-4233-1000~10000MHz-PASS